



**DoD 5010.15.1-M**  
**VOLUME VII**

(CONSOLIDATED REPRINT W/CHANGE 1)

# **STANDARDIZATION OF WORK MEASUREMENT**

**Defense  
Work  
Measurement  
Standard  
Time  
Data  
Program**

**VOLUME VII  
BENCH WORK  
OCCUPATIONS  
February 1977**

**DISTRIBUTION STATEMENT A**  
Approved for Public Release  
Distribution Unlimited





DEPARTMENT OF DEFENSE  
DEFENSE INDUSTRIAL RESOURCES SUPPORT OFFICE  
CAMERON STATION  
ALEXANDRIA, VIRGINIA 22314

CH 1  
DOD 5010.15.1-M  
VOLUME VII

DIRSO  
1 Dec 77

IN REPLY  
REFER TO

CHANGE NO. 1  
DOD 5010.15.1-M

STANDARDIZATION OF WORK MEASUREMENT  
BENCH WORK OCCUPATIONS

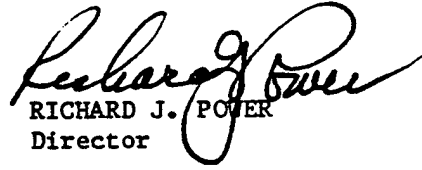
- I. DoD 5010.15.1-M, Volume VII, 1 Dec 75, is changes as follows:
- A. Page v, Part Two, Section I, Line 1: Delete the word "three" and substitute "four."
  - B. Page v, Part Two, Section I: Add the following paragraph:

The Verb Index which is an alphabetical listing of the "title" line of the DWMSTDP Operation/Element Description sequenced by the verb, page D-1.

- C. Add pages D-1 thru D-19 after page C-20.

II. This change is an administrative addition of an index for the elements published in the volume.

III. This change sheet will be filed in front of the publication for reference purposes, after changes have been made.

  
RICHARD J. POWER  
Director





INSTALLATIONS AND LOGISTICS

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE  
WASHINGTON, D. C. 20301

DoD 5010.15.1-M  
VOLUME VII

15 Feb 77

FOREWORD

\*

This is one of ten volumes of DoD 5010.15.1-M published under the authority of DoD Directive 5010.31, Productivity Enhancement, Measurement and Evaluation. It provides standard time data oriented to the Department of Labor occupation codes and guidelines for uniform application. Maximum use of these guidelines and standard time data is mandatory at each Department of Defense activity where Labor Performance Standards are developed and applied.

All of the included standard time data have been reviewed and approved by a Joint Service/Agency Standard Time Data Group prior to publication.

RICHARD J. POWER  
Director  
Defense Industrial Resources  
Support Office

DISTRIBUTION

Defense Supply Agency:  
3 less 7, 9, 10

This DoD manual supersedes DoD 5010.15.1-M, Volume VII,  
17 Mar 75

\* Denotes Changes



STANDARD TIME DATA  
FOR  
BENCH WORK OCCUPATIONS

TABLE OF CONTENTS

PART ONE - GUIDANCE

	<u>Paragraph</u>	<u>Page</u>
Chapter I - General Information		
Purpose	1.1	1
Scope	1.2	1
Application	1.3	1
Submission of New DWMSTDP Elements	1.4	1
Chapter II - Coding		
General	2.1	2
Types of Codes	2.2	2
Fundamental Standard Time Data	2.3	3
List of Illustrations		
DWMSTDP Coding Structure (Figure 1)		2
Bench Work Occupations Codes (Figure 2)		4
Work Description of DWMSTDP		
Bench Work Occupations Codes (Figure 3)		9
Major Categories of Work Used		
in Coding Bench Work Data (Figure 4)		12

PART TWO - BENCH WORK OCCUPATIONS STANDARD TIME DATA

Section I - Indexes

A - Occupation Code Index	A-1
B - DWMSTDP Element Index	B-1
C - Noun/Verb Index	C-1

Section II - DWMSTDP Element Listing	1
--------------------------------------	---



DEFENSE WORK MEASUREMENT STANDARD TIME  
DATA PROGRAM (DWMSTDP)

BENCH WORK OCCUPATIONS

PART ONE - GUIDANCE

CHAPTER I - GENERAL INFORMATION

1.1 PURPOSE

This volume of Bench Work Occupations Standard Time Data is one of ten volumes of standard time data in the 11 volume series included in DWMSTDP. Bench Work Occupations as categorized by the Department of Labor includes those occupations concerned with the use of body members, handtools, and bench machines to fit, grind, carve, mold, paint, sew, assemble, inspect, repair, test, and similarly work relatively small objects and materials, such as metal products, electronic components, electrical appliances, instruments, footwear, and garments. The work is usually performed at a set position in a mill, plant, or shop, at a bench, worktable, or conveyor. At the more complex levels, workers frequently read blueprints, follow patterns, use a variety of handtools, and assume responsibility for meeting standards. Workers of the less complex levels are required to follow standardized procedures. This volume provides a single DoD source for Standard Time Data which can be used in the development of labor standards for:

1.1.1 Organizations, activities, or functional areas whose primary missions correlate to bench work occupations, e.g., maintenance support functions for aircraft, vehicle, or ship electronic components, or the sewing of tarpaulins, webbing or harnesses, etc.

1.1.2 For bench work operations within organizations, activities, or functional areas engaged in other than bench work occupations, e.g. portable zygo operator who is assigned to a welding shop.

1.1.3 Work performed by personnel whose primary jobs are other than bench work, but who may actually do that type work as a part of their jobs, e.g., an engine overhaul mechanic stamping an engine data plate.

1.2 SCOPE

This publication applies to all military services and defense agencies. The data contained herein will be used to the maximum extent practicable in the development of \*labor performance standards in compliance with DoD Directive 5010.31 and DoDI 5010.34\*.

1.3 APPLICATION

The Bench Work Occupations Standard Time Data contained in this volume must be applied in accordance with the general instructions contained in the Basic Volume and the specific instructions contained in this volume.

1.4 SUBMISSION OF NEW DWMSTDP ELEMENTS

All newly developed or existing Bench Work Occupations Standard Time Data not now included herein will be submitted with back-up motion pattern analysis to the



\*Defense Industrial Resources Support Office (DIRSO) for review and possible inclusion in the updating changes to this volume. The Basic Volume contains procedures for submitting this input. \*

## CHAPTER II - CODING

### 2.1 GENERAL

2.1.1 Information requirements applicable to DWMSTDP have been standardized. Applicable DoD Standard Data Elements have been utilized and all other data elements have been proposed for data representation standardization action in accordance with the provisions of DoD Instruction 5000.12, "Data Elements and Codes Standardization Procedures" and DoD 5000.12-M.

2.1.2 The complete coding structure for a Defense Work Measurement Standard Time Data Program element is explained in the Basic Volume. Figure 1 highlights a typical Occupation Code, Work Category Code, and Work Sub-Category Code for Bench Work Data.

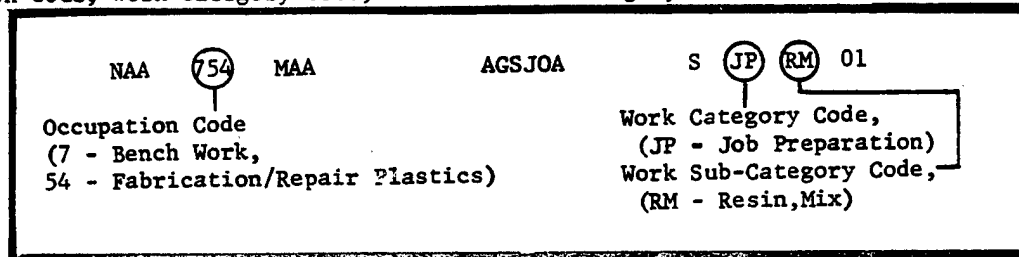


Figure 1. - DWMSTDP Coding Structure

### 2.2 TYPES OF CODES

#### 2.2.1 Occupation Codes

The Occupation Codes for DWMSTDP elements in this volume conform to the numeric codes of Bench Work Occupations listed in the U.S. Department of Labor Dictionary of Occupational Titles. All Department of Labor Bench Work Occupations are shown in Figure 2. Figure 3 identifies the work ascribed to the specific occupations contained in this volume. There are occasions when a standard time data element may have common application to two or more divisions of the total 7 Bench Work Occupational category. If this is the case, an X is used in both the Occupation Division position (second numeric) and the Group Position (third numeric), e.g., 7XX. If the common application occurs only within the Occupation Division, an X is used in the Group position only (third numeric) e.g., 70X, 72X.

#### 2.2.2 Work Category Code

The two position Work Category Code encircled in Figure 1 further identifies the various types of work performed within the occupation groups. This classification category indicates the major action being performed or major equipment involved in the DWMSTDP element. Figure 4 lists and defines the work categories used in coding Bench Work Occupations standard time data.

#### 2.2.3 Work Sub-Category Code

The two position Work Sub-Category Code encircled in Figure 1 is a sub-division of the Work Category Code and identifies the object, process, or condition associated with the action or equipment. This code is generally oriented to a noun-verb relationship, e.g., RM is the code for "Resin, Mix" in the element description header line. However, if the noun-verb sequence in the element code causes a duplication of



the code, the sequence has been modified. The noun-verb sequence will remain in the verbage of the title whenever possible.

### 2.3 FUNDAMENTAL STANDARD TIME DATA

Every occupation includes general purpose data such as get, place, read or write which are fundamental to each occupation but not specific to any one. These are called "Universal" and are contained in Volume X - Universal Standard Time Data.



7 - BENCH WORK OCCUPATIONS

(BENCH WORK)

70 Occupations in Fabrication, Assembly, and Repair of Metal Products, N.E.C.  
(Fabrication, Assembly, and Repair of Metal Products, N.E.C.)

- 700. Occupations in fabrication, assembly, and repair of jewelry, silverware, and related products  
(Fabrication, assembly, and repair of jewelry, silverware, and related products)
- 701. Occupations in fabrication, assembly, and repair of tools and related products  
(Fabrication, assembly, and repair of tools and related products)
- 703. Occupations in assembly and repair of sheet-metal products, n.e.c.  
(Sheet-metal products assembly and repair, n.e.c.)
- 704. Engravers, etchers, and related occupations  
(Engraving, etching, and related work)
- 705. Filing, grinding, buffing, cleaning, and polishing occupations, n.e.c.  
(Filing, grinding, buffing, cleaning, and polishing, n.e.c.)
- 706. Metal unit assemblers and adjusters, n.e.c.  
(Metal unit assembling and adjusting, n.e.c.)
- 709. Miscellaneous occupations in fabrication, assembly, and repair of metal products, n.e.c.  
(Fabrication, assembly, and repair of metal products, n.e.c.)

71 Occupations in Fabrication and Repair of Scientific and Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products

(Fabrication and Repair of Scientific and Medical Apparatus, Photographic and Optical Goods, Watches and Clocks, and Related Products)

- 710. Occupations in fabrication and repair of instruments for measuring, controlling, and indicating physical characteristics  
(Fabrication and repair of instruments for measuring, controlling, and indicating physical characteristics)
- 711. Occupations in fabrication and repair of optical instruments and lenses  
(Fabrication and repair of optical instruments and lenses)
- 712. Occupations in fabrication and repair of surgical, medical, and dental instruments and supplies  
(Fabrication and repair of surgical, medical, and dental instruments and supplies)
- 713. Occupations in fabrication and repair of ophthalmic goods  
(Fabrication and repair of ophthalmic goods)
- 714. Occupations in fabrication and repair of photographic equipment and supplies  
(Fabrication and repair of photographic equipment and supplies)
- 715. Occupations in fabrication and repair of watches, clocks, and parts  
(Fabrication and repair of watches, clocks, and parts)
- 716. Occupations in fabrication and repair of engineering and scientific instruments and equipment, n.e.c.

n.e.c. - not elsewhere classified

Figure 2 - Bench Work Occupations Codes



- (Fabrication and repair of engineering and scientific instruments and equipment, n.e.c.)
719. Occupations in fabrication and repair of scientific and medical apparatus, photographic and optical goods, watches and clocks, and related products, n.e.c.  
(Fabrication and repair of scientific and medical apparatus, photographic and optical goods, watches and clocks, and related products, n.e.c.)
- 72 Occupations in Assembly and Repair of Electrical Equipment  
(Assembly and Repair of Electrical Equipment)
720. Occupations in assembly and repair of radio and television receiving sets and phonographs  
(Assembly and repair of radio and television receiving sets and phonographs)
721. Occupations in assembly and repair of motors, generators, and related products  
(Assembly and repair of motors, generators, and related products)
722. Occupations in assembly and repair of communications equipment  
(Communications equipment assembly and repair)
723. Occupations in assembly and repair of electrical appliances and fixtures  
(Assembly and repair of electrical appliances and fixtures)
724. Occupations in winding and assembling coils, magnets, armatures, and related products  
(Winding and assembly of coils, magnets, armatures, and related products)
725. Occupations in assembly of light bulbs and electronic tubes  
(Assembly of light bulbs and electronic tubes)
726. Occupations in assembly and repair of electronic components and accessories, n.e.c.  
(Assembly and repair of electronic components and accessories, n.e.c.)
727. Occupations in assembly of storage batteries  
(Storage battery assembly)
728. Occupations in fabrication of electrical wire and cable  
(Fabrication of electrical wire and cable)
729. Occupations in assembly and repair of electrical equipment, n.e.c.  
(Assembly and repair of electrical equipment, n.e.c.)
- 73 Occupations in Fabrication and Repair of Products Made from Assorted Materials  
(Fabrication and Repair of Products Made from Assorted Materials)
730. Occupations in fabrication and repair of musical instruments and parts  
(Fabrication and repair of musical instruments and parts)
731. Occupations in fabrication and repair of games and toys  
(Fabrication and repair of games and toys)
732. Occupations in fabrication and repair of sporting goods  
(Fabrication and repair of sporting goods)
733. Occupations in fabrication and repair of pens, pencils, and office and artists' materials, n.e.c.  
(Fabrication and repair of pens, pencils, and office and artists' materials, n.e.c.)
- n.e.c. - not elsewhere classified

Figure 2 - Bench Work Occupations Codes (Continued)



- 734. Occupations in fabrication and repair of notions  
(Fabrication of notions)
- 735. Occupations in fabrication and repair of jewelry, n.e.c.  
(Fabrication and repair of jewelry, n.e.c.)
- 736. Occupations in fabrication and repair of ordnance and accessories  
(Fabrication and repair of ordnance and accessories)
- 737. Occupations in fabrication of ammunition, fireworks, explosives, and related products  
(Fabrication of ammunition, fireworks, explosives, and related products)
- 739. Occupations in fabrication and repair of products made from assorted materials, n.e.c.  
(Fabrication and repair of products made from assorted materials, n.e.c.)
- 74 Painting, Decorating, and Related Occupations  
(Painting, Decorating, and Related Work)
- 740. Painters, brush  
(Brush painting)
- 741. Painters, spray  
(Spray painting)
- 742. Staining, waxing, and related occupations  
(Staining, waxing, and related work)
- 749. Painting, decorating, and related occupations, n.e.c.  
(Painting, decorating, and related work, n.e.c.)
- 75 Occupations in Fabrication and Repair of Plastics, Synthetics, Rubber, and Related Products  
(Fabrication and Repair of Plastics, Synthetics, Rubber, and Related Products)
- 750. Occupations in fabrication and repair of tires, tubes, tire treads, and related products  
(Fabrication and repair of tires, tubes, tire treads, and related products)
- 751. Laying out and cutting occupations, n.e.c.  
(Laying out and cutting, n.e.c.)
- 752. Fitting, shaping, cementing, finishing, and related occupations, n.e.c.  
(Fitting, shaping, cementing, finishing, and related work, n.e.c.)
- 753. Occupations in fabrication and repair of rubber and plastic footwear  
(Fabrication and repair of rubber and plastic footwear)
- 754. Occupations in fabrication and repair of miscellaneous plastics products  
(Fabrication and repair of miscellaneous plastics products)
- 759. Occupations in fabrication and repair of plastics, synthetics, rubber, and related products, n.e.c.  
(Fabrication and repair of plastics, synthetics, rubber, and related products, n.e.c.)
- 76 Occupations in Fabrication and Repair of Wood Products  
(Fabrication and Repair of Wood Products)
- 760. Bench carpenters and related occupations  
n.e.c.-not elsewhere classified

Figure 2 - Bench Work Occupations Codes (Continued)



- (Bench carpentry and related work)
761. Occupations in laying out, cutting, carving, shaping, and sanding wood products, n.e.c.  
(Laying out, cutting, carving, shaping, and sanding, n.e.c.)
762. Occupations in assembling wood products, n.e.c.  
(Assembly of wood products, n.e.c.)
763. Occupations in fabrication and repair of furniture, n.e.c.  
(Fabrication and repair of furniture, n.e.c.)
764. Cooperage occupations  
(Cooperage)
769. Occupations in fabrication and repair of wood products, n.e.c.  
(Fabrication and repair of wood products, n.e.c.)
- 77 Occupations in Fabrication and Repair of Sand, Stone, Clay, and Glass Products  
(Fabrication and Repair of Sand, Stone, Clay, and Glass Products)
770. Occupations in fabrication and repair of jewelry, ornaments, and related products  
(Fabrication and repair of jewelry, ornaments, and related products)
771. Stone cutters and carvers  
(Stone cutting and carving)
772. Glass blowing, pressing, shaping, and related occupations, n.e.c.  
(Glass blowing, pressing, shaping, and related work, n.e.c.)
773. Occupations in coloring and decorating brick, tile, and related products  
(Coloring and decorating brick, tile, and related products)
774. Occupations in fabrication and repair of pottery and porcelain ware  
(Fabrication and repair of pottery and porcelain ware)
775. Grinding, filing, polishing, frosting, etching, cleaning, and related occupations, n.e.c.  
(Grinding, filing, polishing, frosting, etching, cleaning, and related work, n.e.c.)
776. Occupations in fabrication and repair of asbestos and polishing products, abrasives, and related materials  
(Fabrication and repair of asbestos and polishing products, abrasives, and related materials)
777. Modelmakers, patternmakers, moldmakers, and related occupations  
(Modelmaking, patternmaking, moldmaking, and related work)
779. Occupations in fabrication and repair of sand, stone, clay, and glass products, n.e.c.  
(Fabrication and repair of sand, stone, clay, and glass products, n.e.c.)
- 78 Occupations in Fabrication and Repair of Textile, Leather, and Related Products  
(Fabrication and Repair of Textile, Leather, and Related Products)
780. Occupations in upholstering and in fabrication and repair of mattresses and bedsprings  
(Upholstering and mattress and bedspring fabrication and repair)
781. Laying out, marking, cutting, and punching occupations, n.e.c.  
(Laying out, marking, cutting, and punching, n.e.c.)
- n.e.c. - not elsewhere classified

Figure 2 - Bench Work Occupations Codes (Continued)



- 782. Hand sewers, menders, embroiderers, knitters, and related occupations, n.e.c.  
(Handsewing, mending, embroidering, knitting, and related work, n.e.c.)
- 783. Fur working occupations  
(Fur working)
- 784. Occupations in fabrication and repair of hats, caps, gloves, and related products  
(Fabrication and repair of hats, caps, gloves, and related products)
- 785. Tailors and dressmakers  
(Tailoring and dressmaking)
- 786. Sewing machine operators, garment  
(Machine sewing, garment)
- 787. Sewing machine operators, nongarment  
(Machine sewing, nongarment)
- 788. Occupations in fabrication and repair of footwear  
(Fabrication and repair of footwear)
- 789. Occupations in fabrication and repair of textile, leather, and related products, n.e.c.  
(Fabrication and repair of textile, leather, and related products, n.e.c.)
- 79 Bench Work Occupations, N.E.C.  
(Bench Work, N.E.C.)
- 790. Occupations in preparation of food, tobacco, and related products, n.e.c.  
(Preparation of food, tobacco, and related products, n.e.c.)
- 794. Occupations in fabrication of paper products, n.e.c.  
(Fabrication of paper products, n.e.c.)

n.e.c. - not elsewhere classified

Figure 2 - Bench Work Occupations Codes (Continued)



<u>DWMSTDP BENCH WORK OCCUPATION CODES</u>		
<u>Code</u>	<u>Occupation</u>	<u>Work Description</u>
701	Occupations in fabrication assembly, and repair of tools and related products (Fabrication, assembly and repair of tools and related products)	Hand forging, straightening, tempering, sharpening, assembling, repairing, and reconditioning handtools used in woodworking, metalworking, ceramics, construction, mechanics, agriculture, masonry, sheet metal, jewelry, and watchmaking; setting, filing, welding, or otherwise reconditioning twist drills, reamers, lathe bits and other cutting tools used in power and machine tools.
704	Engravers, etchers, and related occupations (Engraving, etching, and related work)	Engraving or etching designs or lettering into surface of flat or curved metal objects, using engravers' handtools and machines or etching acids and inks. Photoengravers and printing plate engravers are included in Division 97.
705	Filing, grinding, buffing, cleaning, and polishing occupations, n.e.c. (Filing, grinding, buffing, cleaning and polishing, n.e.c.)	Filing, grinding, buffing, cleaning, and polishing metal parts or objects other than by use of production machines, not elsewhere classified. Tool sharpening is included in Group 701.
706	Metal unit assemblers and adjusters, n.e.c. (Metal unit assembling and adjusting, n.e.c.)	Assembling and adjusting metal units or components, including mechanical assembling or adjusting not requiring overall mechanical knowledge, not elsewhere classified. Electrical assembling and adjusting is included in Division 72.
709	Miscellaneous occupations in fabrication, assembly, and repair of metal products, n.e.c. (Fabrication, assembly, and repair of metal products, n.e.c.)	Fabricating, assembling, and repairing metal products, not elsewhere classified.
710	Occupations in fabrication and repair of instruments for measuring, controlling, and indicating physical characteristics (Fabricating and repair of instruments for measuring, controlling, and indicating physical characteristics)	Fabricating and repairing instruments for measuring, controlling, and indicating temperature, pressure and vacuum, fluid flow, liquid level, mechanical motion, rotation, humidity, density, acidity or alkalinity, and combustion including those used to control home air-conditioning and heating systems and as components in household appliances; dial pressure gauges, scales and balances; and
n.e.c.-not elsewhere classified		

Figure 3 - Work Description of DWMSTDP Bench Work Occupation Codes



* <u>DWMSTDP BENCH WORK OCCUPATION CODES</u>		
<u>Code</u>	<u>Occupation</u>	<u>Work Description</u>
710 (continued)		apparatus for testing such physical properties as hardness, tension, torsion, compression, and elasticity. Instruments for measuring, recording, and controlling electrical characteristics are included in Division 72.
720	Occupations in assembly and repair of radio and television receiving sets and phonographs (assembly and repair of radio and television receiving sets and phonographs)	Assembling and repairing radio and television receivers, recorders, phonographs and related items. Occupations concerned with sound recording and transcription are included in Group 194.
721	Occupations in assembly and repair of motors, generators, and related products (assembly and repair of motors, generators, and related products)	Assembling and repairing electric motors, power generators, motor-generator sets, railway motors and control equipment; and motors, generators, and control equipment for gasoline-electric and oil-electric buses and trucks. Winding and assembling coils, magnets, armatures and related components are included in Group 724.
726	Occupations in assembly and repair of electronic components and accessories, n.e.c. (assembly and repair of electronic components and accessories, n.e.c.)	Fabricating resistors, inductors, transformers, capacitors, crystals, diodes, semiconductors (solid state), potentiometers and controls, printed circuitry, harness, and similar products for electronic end products, and assembling and repairing accessories, such as speakers, antennas, and related items, not elsewhere classified.
728	Occupations in fabrication of electrical wire and cable (Fabrication of electrical wire and cable)	Fabrication of bare, insulated, shielded, enameled, or waxed electrical conductors made from purchased wire.
729	Occupations in fabrication of electrical wire and cable (Fabrication of electrical wire and cable)	Assembling, fabricating or repairing electrical equipment.
n.e.c. - not elsewhere classified		

Figure 3 - Work Description of DWMSTDP Bench Work Occupation Codes  
(Continued)



<u>DWMSTDP BENCH WORK OCCUPATION CODES</u>			*
<u>Code</u>	<u>Occupation</u>	<u>Work Description</u>	
739	Occupations in fabrication and repair of products made from assorted materials (Fabrication and repair of products made from assorted materials, n.e.c.)	Fabricating and repairing products from assorted materials, not elsewhere classified.	
740	Painters, brush (Brush painting)	Covering or decorating surfaces using brushes.	
754	Occupations in fabrication and repair of miscellaneous plastics products (Fabrication and repair of miscellaneous plastics products)	Bench molding, fitting, and finishing plastics and fiber glass products. Structural work is included in Division 80.	
763	Occupations in fabrication and repair of furniture, n.e.c. (Fabrication and repair of furniture, n.e.c.)	Inlaying, installing, molding, weaving, polishing, and related activities concerned with fabricating and repairing furniture, not elsewhere classified.	
780	Occupations in upholstering and in fabrication and repair of mattresses and bedsprings (Upholstering and mattress and bedspring fabrication and repair)	Upholstering such products as furniture, automobile seats, and caskets, and forming, stuffing, and assembling padding, mattress and bedsprings.	
781	Laying out, marking, cutting, and punching occupations, n.e.c. (Laying out, marking, cutting, and punching occupations, n.e.c.)	Laying out, marking, cutting, and punching garment, canvas goods, and house furnishing parts from single or multiple layers of material preparatory to piecing up, fitting, and stitching, or machine sewing, not elsewhere classified.	
782	Hand sewers, menders, embroideres, knitters, and related occupations, n.e.c. (Hand-sewing, mending, embroidering, knitting, and related work, n.e.c.)	Basting, trimming, stitching, and related handwork to join, shape, decorate, finish, or repair garments and accessories or related products. Price being the controlling factor, this work is most extensively performed on fine-quality garments and tailored apparel, not elsewhere classified.	
787	Sewing machine operator, non-garment (Machine sewing, non-garment)	Machine sewing textile, leather, fur and related products, except garments defined in GARMENT INDUSTRY.	
n.e.c.-not elsewhere classified			

Figure 3 - Work Description of DWMSTDP Bench Work Occupation Codes  
(Continued)



* <u>DWMSTDP BENCH WORK OCCUPATION CODES</u>		
<u>Code</u>	<u>Occupation</u>	<u>Work Description</u>
789	Occupations in fabrication and repair of textile, leather, and related products, n.e.c. (Fabrication and repair of textile leather, and related products, n.e.c.)	Fabricating and repairing textile, leather, fur and related products, not elsewhere classified.
794	Occupations in fabrication of paper products, n.e.c. (Fabrication of paper products, n.e.c.)	Assembling boxes and envelopes from pre-cut blanks and assembling party favors, not elsewhere classified.
n.e.c.-not elsewhere classified		

Figure 3 - Work Description of DWMSTDP Bench Work Occupation Codes (Continued)



<u>BENCH WORK OCCUPATIONS WORK CATEGORY CODES</u>		
<u>Work Category</u>	<u>Code</u>	<u>Definition</u>
Clean	CL	The removal of foreign matter by chemical, mechanical or manual process. (Examples: ultrasonic cleaning, abrasive cleaning, use of solvent, rubbing, wiping, sweeping)
Clamp	CP	The actions required to accomplish the nonmanual holding of object(s) with a clamp when required for repairing, modifying, manufacturing or assembly operations. (Examples: "C", cleco, spring, hose, cable, conduit clamps, etc.)
Disassembly/Assembly	DA	The action(s) required to remove, install or replace assemblies or components parts when the primary purpose is to place an object(s) or part(s) on or into another object or part so that they fit, connect or are secured to each other to form a unit. These actions do not include fabrication of parts or items. This category generally applies to special or higher level data.
Dip	DP	Motions necessary to dip or immerse an object in liquid or paste and/or remove excess. (Examples: dip brush, cloth, stick, parts, hand, finger)
Fabricate	FA	The actions required to manufacture, form or produce an item from raw or new material by shaping, cutting or forming by hand or mechanical means. This category generally applies to special or higher level data.
Gauge and Measure	GM	The procedure by which the size, amount, extent or capacity of an item is determined. (Examples: bisect, gauge, mike, square, weigh)
Identify	ID	The process and motions required to stamp, tab, label, or mark cards, folders, or objects to provide for locating, reorganizing or comparing. The actions necessary to reorganize, match or compare similar characteristics.

Figure 4 - Major Categories Used In Coding Bench Work Occupations Data



<u>Work Category</u>	<u>Code</u>	<u>Definition</u>
Inspect and Test	IT	The procedure or action by which an item is subject to comparisons or measurements to determine its qualities for use. (Examples: use of indicating gauge, use of feeler gauge, eye times, check mandrel for run-out)
Job Preparation	JP	The actions required to prepare an object, work place, or employee, or any combination of the three for ensuing work. NOTE: Excluded from this category are layout, packaging and machine setup.
Nonthreaded Fastener	NF	The permanent or semipermanent holding or locking of mating actions by other than threads or clamping actions.
Object Handling	OH	The process of manually moving an object for the purpose of changing its location, position, or alignment. The movement path may or may not be fixed. The primary purpose of this handling is not to activate another object or device.
Paint	PA	To cover a surface by applying or spreading a liquid or paste with a brush, spray gun, or roller. (Examples: paint, varnish, lacquer, shellac, wax)
Package	PK	Preparing an object for shipping or storing or removing an object from shipping or storing condition.
Process Time	PT	The interval of time made up of a combination of manual and machine time components, so integrated that it would be impossible or impractical to separate and analyze them with Methods Time Measurement. Process time may be obtained by stopwatch, manufacturers' specs or formulae.
Read	RD	Perception and comprehension of readily distinguishable words, letters, or numbers. (Examples: Read individual word or number, read sequence of words)
Surface Repair	SR	The process by which the surface of an object is changed or modified to restore the object to a servicable condition. This category generally applies to special

Figure 4 - Major Categories Used In Coding Bench Work Occupations Data  
(Continued)



<u>Work Category</u>	<u>Code</u>	<u>Definition</u>
Surface Repair (cont)	SR	or higher level data.
Setup	SU	The initial preparation of machinery and/or powered equipment necessary to perform work on an object and/or the subsequent "Tear Down".
Threaded Fastener	TF	Tightening or loosening a threaded object-bolt, nut, screws, or handknob by hand. (Examples: finger turn-per thread, spin, tighten or loosen-moderate pressure)
Tool Use	TL	The use or preparation for use of any non-powered implement, instrument or utensil held in the hand and used for cutting, hitting, digging, rubbing, etc. (Examples: knife, saw, hammer, shovel, rake, prybar, scissor, needle for sewing)
Tool, Powered - Hand-held	TP	The use or preparation for use of any hand-held tool which derives its primary power for operation from a source other than the operator or user. (Examples: electric portable saw, portable pneumatic wrench)
Vising	VS	The action required to accomplish the non-manual holding of object(s) with a vise, while repairs, modifications, or manufacturing operations are being performed. (Examples: tighten or loosen vise, rotate vise, quick acting vise).
Wire Handling	WH	Elements of work associated with the build up, installation, or repair of circuitry such as electrical, electronic, or telephonic.

Figure 4 - Major Categories Used In Coding Bench Work Occupations Data  
(Continued)



DEFENSE WORK MEASUREMENT STANDARD TIME  
DATA PROGRAM (DWMSTDP)

BENCH WORK OCCUPATIONS

PART TWO - STANDARD TIME DATA

SECTION I - INDEXES

four  
This provides ~~XXXX~~ indexes as follows:

The Occupation Code Index which includes the page location for each Code in both the DWMSTDP Element Index and the DWMSTDP Element Listing, page A-1 through A-3.

The DWMSTDP Element Index which is sequenced according to the DWMSTDP Element Code, pages B-1 through B-20

The Noun/Verb Index which is an alphabetical listing of the "title" line of the DWMSTDP operation/element description, pages C-1 through C-20

The Verb Index which is an alphabetical listing of the "title" line of the DWMSTDP Operation/Element Description sequenced by the verb, page D-1.



OCCUPATION CODE INDEX

\*

		<u>Page</u>	
<u>Code</u>	<u>Occupation</u>	<u>DWMSTDP Element Index</u>	<u>DWMSTDP Element Listing</u>
7XX	Bench Work, Common	B-1	1
70X	Fabrication, Assembly and Repair Of Metal Products, Common	B-3	16
701	Occupations in fabrication, Assembly, and repair of tools and related products (Fabrica- tion, assembly, and repair of tools and related products)	B-3	17
704	Engravers, etchers, and related occupations (Engraving, etching, and related work)	B-3	17
705	Filing, grinding, buffing, cleaning, and polishing occupa- tions, n.e.c. (Filing, grinding, buffing, cleaning, and polishing, n.e.c.)	B-3	19
706	Metal unit assemblers and adjust- ers, n.e.c. (Metal unit assembling and adjusting, n.e.c.)	B-4	21
709	Miscellaneous occupations in fab- rication, assembly, and repair of metal products, n.e.c. (Fabrica- tion, assembly, and repair of metal products, n.e.c.)	B-4	22
710	Occupations in fabrication and re- pair of instruments for measuring, controlling, and indicating physi- cal characteristics (Fabrication and repair of instruments for measuring, controlling, and in- dicating physical characteristics)	B-5	30
72X	Assembly and Repair of Electrical Equipment, Common	B-6	43
720	Assembly and Repair of Radio and Television Receiving Sets, and Phonographs	B-13	91



OCCUPATION CODE INDEX

<u>Code</u>	<u>Occupation</u>	<u>DWMSTDP Element Index</u>	<u>DWMSTDP Element Listing</u>
721	Occupations in assembly and repair of motors, generators, and related products (Assembly and repair of motors, generators, and related products)	B-13	92
726	Occupations in assembly and repair of electronic components and accessories, n.e.c. (Assembly and repair of electronic components and accessories, n.e.c.)	B-14	99
728	Occupations in fabrication of electrical wire and cable (Fabrication of electrical wire and cable)	B-14	100
729	Occupations in assembly and repair of electrical equipment, n.e.c. (Assembly and repair of electrical equipment, n.e.c.)	B-16	111
739	Occupations in fabrication and repair of products made from assorted materials, n.e.c. (Fabrication and repair of products made from assorted materials, n.e.c.)	B-16	111
74X	Printing, Decorating and Related Occupations, Common	B-17	116
740	Painters, brush (Brush painting)	B-17	116
75X	Fabrication and repair of Plastics, Synthetics, Rubber and Related products, Common	B-17	117
754	Occupations in fabrication and repair of miscellaneous plastics products (Fabrication and repair of miscellaneous plastics products)	B-17	117



\*

OCCUPATION CODE INDEX

<u>Code</u>	<u>Occupation</u>	<u>DWMSTDP Element Index</u>	<u>Page</u> <u>DWMSTDP Element Listing</u>
763	Occupations in fabrication and repair of furniture, n.e.c. (Fabrication and repair of furniture, n.e.c.)	B-18	123
78X	Fabrication and repair of Textile, Leather and Related Products, Common	B-18	124
780	Occupations in upholstering and in fabrication and repair of mattresses and bedsprings. (Upholstering and mattress and bedspring fabrication and repair)	B-18	125
781	Laying out, marking, cutting, and punching occupations, n.e.c. (Laying out, marking, cutting, and punching occupations, n.e.c.)	B-18	127
782	Hand sewers, menders, embroiderers, knitters, and related occupations, n.e.c. (Handsewing, mending, embroidering, knitting, and related work, n.e.c.)	B-19	129
787	Sewing machine operators, non-garment (Machine sewing, non-garment)	B-19	131
789	Occupations in fabrication and repair of textile, leather, and related products, n.e.c. (Fabrication and repair of textile, leather, and related products, n.e.c.)	B-20	135
794	Occupations in fabrication of paper products, n.e.c. (Fabrication of paper products n.e.c.)	B-20	135



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
7XX	MAA	SCLCCXX	VARIABLE	COMPONENT,CLEAN WITH BRUSH AND SOLVENT	1
7XX	MAA	SDABIXX	VARIABLE	BEARING OR GEAR,INSTALL	
7XX	MAA	SDABRXX	VARIABLE	BEARING OR GEAR,REMOVE	
7XX	MAA	SDACIXX	VARIABLE	COVER/PANEL(ACCESS),INSTALL AND REMOVE	
7XX	MUA	SDACRXX	VARIABLE	COUPLER/GEAR/SLEEVE OR COLLAR,REMOVE AND INSTALL WITH PIN OR CLAMP AND SET SCREW	2
7XX	MAA	SDAKIXX	VARIABLE	KNOB/POINTER,INSTALL WITH NORMAL ACCESS(HAND OR TOOL)	
7XX	MAA	SDAKRXX	VARIABLE	KNOB/POINTER,REMOVE(HAND OR TOOL)	3
7XX	MAA	SDAM101	1490	MOUNT(SHOCK),INSTALL	
7XX	MAA	SDAMR01	1170	MOUNT(SHOCK),REMOVE	
7XX	MAA	SDAPC01	645	PLUG(CANNON),CONNECT	
7XX	MAA	SDAPC02	989	PLUG(JONES),CONNECT	
7XX	MAA	SDAPD01	564	PLUG(CANNON),DISCONNECT	
7XX	MAA	SDAPD02	901	PLUG(JONES),DISCONNECT	
7XX	MAA	SDAPD03	420	PLUG(PULSE CABLE),DISCONNECT	4
7XX	MAA	SDAPI01	144	PART(SMALL),INSTALL AND POSITION WITH TWEEZERS	
7XX	MAA	SDAPI02	179	PLUG(BUTTON)AND GASKET,INSTALL	
7XX	MAA	SDAPR01	2790	PART OR MODULE,REPLACE	
7XX	MAA	SDAPR02	153	PLUG(BUTTON),REMOVE	
7XX	MAA	SDAPR03	587	PART(THREADED-STAKED),REMOVE	
7XX	TUL	MIDPL01	91	POINT(ON CHASSIS OR TERMINAL BOARD),LOCATE/ FIND	
7XX	TAA	MIDPL02	143	POINT,LOCATE ON CHASSIS OR TERMINAL BOARD	
7XX	MAA	SIDCSXX	VARIABLE	CHARACTER(S),STAMP IN METAL	5
7XX	MAA	MITGRXX	VARIABLE	GAUGE/METER,READ	
7XX	MAA	SITCCXX	VARIABLE	COMPONENT,CLEAN AND INSPECT	
7XX	MAA	SITSTXX	VARIABLE	SPRING,TEST	
7XX	MAA	SITST03	1540	SPRING,TEST	6
7XX	MAA	MJPEPXX	VARIABLE	EYE LOUPE(FRAME/EYE HELD),PREPARE TO USE	
7XX	MAO	MJPPP01	143	PROTECTORS(VISE JAW),PLACE	
7XX	MAO	MJPVS01	135	VISE,SWIVEL TO DESIRED WORK POSITION	
7XX	MAW	SJPD01	451	DRILL(PORTABLE),PREPARE TO USE	
7XX	MAO	SJPDS01	1199	DRILL(PORTABLE=MAGNETIC BASE),SET UP	
7XX	MAA	SJPMPPX	VARIABLE	MOTOR(AIR),PREPARE FOR USE,ASIDE	7
7XX	MAA	SLULAXX	VARIABLE	LUBRICANT,APPLY TO GASKET/O-RING	
7XX	MAA	SLULA05	243	LUBRICANT,APPLY TO SPOT WITH HYPODERMIC SYRINGE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
7XX	MAA	SLUDAXX	VARIABLE	OIL(LIGHT), APPLY WITH SYRINGE	7
7XX	MAA	SLUSFO1	784	SYRINGE(HYPODERMIC), FILL WITH LIGHT OIL	
7XX	MAA	MNFCIO1	95	COVER(PROTECTIVE-CLAMP ON TYPE), INSTALL ON PART	
7XX	MAA	MNFCIO2	116	COVER(PROTECTIVE-EXPANDABLE BAND TYPE), INSTALL ON PART	8
7XX	MAA	MNFCRO1	78	COVER(PROTECTIVE-CLAMP ON TYPE), REMOVE FROM PART	
7XX	MAA	MNFPBXX	VARIABLE	PIN, BEND WITH PLIERS	
7XX	MAA	MOHCCXX	VARIABLE	COVER(HINGED), CLOSE	
7XX	MAA	MOHCIO1	255	COVER(HINGED-PIN TYPE), INSTALL AND CLOSE	
7XX	MAA	MOHCOXX	VARIABLE	COVER, OPEN	
7XX	MAA	MOHCPXX	VARIABLE	COVER(WRAP AROUND OF CAP SHAPED), PLACE ON UNIT	9
7XX	MAA	MOHCRXX	VARIABLE	COVER(WRAP AROUND OF CAP SHAPED), REMOVE FROM UNIT/ITEM	
7XX	TAA	MOHODXX	VARIABLE	OBJECT, DISENGAGE	
7XX	MAA	MOHPIXX	VARIABLE	PLATE(FLAT ACCESS COVER), INSTALL AND REMOVE	10
7XX	MAA	MOHPPXX	VARIABLE	PART, PLACE IN HOLE	
7XX	MAA	SOMCPXX	TABLE	COVER(BOX TYPE), PLACE ON UNIT	
7XX	MAA	SOMCRXX	TABLE	COVER(BOX TYPE), REMOVE FROM UNIT	
7XX	MAA	SOMGTXX	VARIABLE	GEAR(SINGLE OR TRAIN), TURN TO POSITION BY HAND	11
7XX	MAA	SOMPRXX	VARIABLE	PART(MATING), REMOVE AND INSTALL	
7XX	MAA	SOMPRO5	83	PART(SINGLE ALIGN), REMOVE PART OUT OF HOLE OR OFF STUD	
7XX	MAA	MPAGAXX	VARIABLE	GLYPHAL/DOPE, APPLY TO SCREW OR NUT	
7XX	TBA	MPTLS01	95	LEAD(GROUND)OR TAB, SOLDER OR UNSOLDER	
7XX	MAA	MRDTRXX	VARIABLE	TECHNICAL ORDER(OUT LINE/RECAP), READ	
7XX	MAA	SSUVS01	3028	VARI-DRIVE, SET UP, ATTACH SPLINE AND ADAPTER SPLINE TO SHAFT	12
7XX	MAA	SSUVS02	1476	VARI-DRIVE, SET UP, REMOVE ADAPTER SPLINE AND SPLINE FROM SHAFT	
7XX	MAA	SSUVS03	10180	VARI-DRIVE, SET UP, ATTACH AND REMOVE ADAPTER	
7XX	MAA	SSUVS04	14850	VARI-DRIVE, SET UP, ATTACH AND REMOVE COMPONENT TO/FROM VARI-DRIVE HEAD	
7XX	MAA	MTFPPXX	VARIABLE	PART, PREPARE FOR MOUNTING	
7XX	MAA	STFPRO1	375	PART(THREADED), REPLACE 5 HAND UNPACK NEW PART	
7XX	MAA	STFPRO2	235	PART(THREADED), REPLACE 5 HAND UNPACK NEW PART	13
7XX	MAF	MTLPRO1	203	PART(COVER), REPLACE	
7XX	MAA	STLAIXX	VARIABLE	ADAPTER AND PLUG, REMOVE	
7XX	MAA	STLARXX	VARIABLE	ADAPTER/PLUG, REMOVE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
7XX	MAA	STLHPXX	VARIABLE	HOLE,PUNCH WITH HAMMER AND HOLLOW POINT PUNCH	13
7XX	MAF	STLPP01	144	PARTS,PRY APART WITH HAMMER AND CHISEL	
7XX	FAA	STPDHXX	TABLE	HOLE,DRILL IN STEEL(HAND DRILL-POWERED)	14
7XX	MUA	STPMCXX	TABLE	HOLE,COUNTERBORE IN ALUMINUM	
7XX	MAA	STPHDXX	VARIABLE	HOLE,DRILL IN ALUMINUM(HAND DRILL POWERED)	15
7XX	MUA	STPMCXX	TABLE	MATERIAL,COUNTERSINK(MICRO)	16
7XX	MAA	MVSORXX	VARIABLE	OBJECT,RELEASE FROM STRAP VISE(HYDRAULIC)	
7XX	MUA	MVSOSXX	VARIABLE	OBJECT,SECURE IN STRAP VISE(HYDRAULIC OPERATE)	
70X	MUO	SCPFIXX	VARIABLE	FASTENER(CLECO),INSTALL(TEMPORARY)	
70X	MUO	SCPFRXX	VARIABLE	FASTENER(CLECO),REMOVE	
70X	MAA	SDAGRXX	VARIABLE	GEAR(WORM),REAM AND INSTALL	17
70X	MAW	MTLSUXX	VARIABLE	SNIPS(ITIN),USE TO CUT SHEET METAL TO 22 GAUGE	
70X	MAA	TTLTCXX	TABLE	THREAD(EXTERNAL),CHASE	
701	MAA	SITWS01	3503	WRENCH(TORQUE),SET AND TEST TORQUE	
704	MAF	MCLSC01	57	SHAVINGS,CLEAN FROM ONE LETTER WITH SCRIBE (PLASTIC MATERIAL)	
704	MAF	MJPCS01	55	COPY(MASTER),SELECT FROM RACK ON WALL(PER LETTER)	
704	MAF	MJPCS02	26	COPY(MASTER),SELECT FROM WORK BENCH(PER LETTER)	
704	MAA	MOHSM01	19	STYLE(PANTOGRAPH MACHINE),MOVE TO NEXT LINE	18
704	MAA	MPALFXX	VARIABLE	LETTER(ENGRAVED),FILL WITH ENGRAVERS CRAYON	
704	MAF	SSUBL01	174	BOLT(ARM),LOOSEN AND TIGHTEN	
704	MAF	SSUCL01	483	CLAMP(MACHINE TABLE),LOOSEN AND TIGHTEN	
704	MAF	SSUGR01	86	GIB(PANTOGRAPH MACHINE),REMOVE AND INSERT FROM HOLDING TABLE(PER GIB)	
704	MAF	SSUTAXX	VARIABLE	TABLE(MACHINE),ADJUST WITH CRANK(PANTOGRAPH)	
704	MAF	SSUTA03	60	TABLE(MACHINE),ADJUST FOR DEPTH OF CUT (PANTOGRAPH)	
704	MAA	SSUTI01	67	TYPE MASTER(PANTOGRAPH MACHINE),INSERT AND RE- MOVE	19
704	MAF	MTFSL01	51	SCREW(THUMB),LOOSEN OR TIGHTEN,ON GIB	
704	MUF	MTPLEXX	VARIABLE	LETTER,ENGRAVE(PANTOGRAPH),IN METAL,BAKELITE OR PLASTIC	
705	TUA	SCLOBXX	VARIABLE	OBJECT,BUFF WITH WIRE WHEEL	
705	MBW	MTLMBXX	VARIABLE	HOLE,BURR	20
705	MBW	MTLTFXX	VARIABLE	TOOTH(GEAR-END),FILE	
705	MBW	TTLFFXX	TABLE	EDGE,FILE	
705	MAW	TTLFUXX	TABLE	FILE,USE TO REMOVE MATERIAL	21
705	MUA	STLHSXX	VARIABLE	HOLE,SLOT WITH FILE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
705	MBW	MTPEGXX	VARIABLE	EDGE,GRIND TO BURR(MACHINE)	21
705	MUF	MTPSBO1	434	SIGN(PLEXIGLASS),BUFF EDGES ON BUFFING MACHINE	
705	MUF	MTPSSO1	367	SIGN,SAND WITH DISC SANDER	
705	TUA	STPBGXX	VARIABLE	BALANCE,GRIND	
706	MAA	SNFPI01	609	PINS,INSTALL	22
706	MAA	STLBCO1	886	BLADE,CHANGE	
709	TBA	MCLSWXX	VARIABLE	SOLUTION(ZYGLO),WASH FROM PART ON PALLET	
709	MAA	SCLFCO1	450	FITTING(AIRCRAFT CONTROL CABLE),CLEAN	
709	MAA	SDAPP01	5608	PART,PREPARE TO DRILL AND REAM COUPLER,GEAR HUB,SLEEVE OR COLLAR	
709	MAA	MOPCPXX	VARIABLE	CABLE(AIRCRAFT CONTROL),PRESERVE	
709	MAA	SGMCMXX	VARIABLE	CABLE(AIRCRAFT CONTROL),MEASURE AND CUT	23
709	MAA	MITODXX	VARIABLE	OBJECT,DEMAGNETIZE WITH COIL	
709	MAA	MITOMXX	VARIABLE	OBJECT,MAGNETIZE FOR MAGNAGLO INSPECTION	
709	MUA	SITCTXX	VARIABLE	CABLE(AIRCRAFT CONTROL),TEST	
709	MAA	SITDIXX	VARIABLE	DYE PENETRANT,INSPECT,METAL SURFACE,PER 12 SQUARE INCHES	24
709	TUA	SITIPXX	VARIABLE	PART,INSPECT BY MAGNAGLO PROCESS	
709	TBA	SITIP06	420	PART(VERY SMALL),INSPECT WITH MAGNAFLUX MACHINE	
709	MUA	SITIZXX	VARIABLE	PART,INSPECT(ZYGLO)	25
709	MAA	SITOIXX	VARIABLE	OBJECT,INSPECT WITH BLACK LIGHT	
709	TAA	SITPD01	736	PART(VERY LARGE),DIP AND SPRAY WITH ZYGLO SOLUTION	
709	MUA	SITPIXX	TABLE	PART(ENGINE),INSPECT(ZYGLO)	26
709	MAA	SITPMXX	TABLE	PART,MAGNAFLUX	
709	TBA	SITPZ01	8035	PARTS,INSPECT WITH BLACK LIGHT(ZYGLO)	27
709	TUA	SITSAXX	VARIABLE	SOLUTION(MAGNETIC),APPLY TO PART	
709	TBA	SITSSXX	VARIABLE	SOLUTION(ZYGLO),SPRAY ON PART	
709	MAA	SITTI01	1440	TERMINAL(BALL),INSPECT,AIRCRAFT CONTROL CABLE	
709	MAA	HJPIPO1	165	INSPECTION(MAGNAGLO),PREPARE TO PERFORM	
709	MAA	SNFRI01	314	RIVETS,INSTALL WITH HAMMER AND PUNCH	
709	MAA	SNFRRXX	VARIABLE	RIVET,REMOVE WITH DRILL,HAMMER AND PUNCH	28
709	MAA	SOHCD01	380	COMPONENT,DEMAGNETIZE	
709	TBA	SPTPD01	393	TABLE(DIP),RAISE AND LOWER	
709	MAA	SSUPSXX	VARIABLE	PROOFLOADER(AIRCRAFT CONTROL CABLE),SET UP AND INSTALL EXTENSION CABLE	
709	MAA	SSUSS01	1192	SWAGER(AIRCRAFT CONTROL CABLE),SET UP AND TAKE DOWN	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DMMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
709	MAA	SSUSS02	2524	SWAGER(AIRCRAFT CONTROL CABLE),SET UP	28
709	MUD	MTLRUXX	VARIABLE	REAMER(HAND),USE,PER 1/4 INCH DEPTH OF HOLE	29
709	MAA	STLFS01	3000	FITTING(AIRCRAFT CONTROL CABLE),SALVAGE	
709	MAA	STLHTXX	VARIABLE	HOLE,TAP	
709	MAA	STLSIXX	VARIABLE	SLEEVE(INICOPRESS),INSTALL(CRIMP)	
710	TUA	SDABCXX	VARIABLE	BAND(SEALING),CLEAN AND REMOVE FROM INSTRUMENT	30
710	MAA	SDACIO1	4798	COMPONENT(PIGTAIL),INSTALL	
710	MBA	SDACRXX	VARIABLE	CASE(INSTRUMENT),REPAIR	31
710	MAA	SDACR06	383	CUPS(TERMINAL-GYRO MOTOR),REMOVE	
710	MAA	SDADR01	4006	DIAL(PRESSURE GAUGE),REMOVE AND REPLACE	
710	TUA	SDAGR01	1644	GUARD(GYRO HEADER PIN),REMOVE	
710	EUA	SDAHT01	2687	HOUSING AND CAP(LARGE GYRO MOTOR),TIN MATING EDGES	
710	EUA	SDAHU01	3768	HOUSING(GYRO MOTOR),UNSEAL,TIN MATING EDGES	32
710	EUA	SDAHU02	6976	HOUSING(GYRO MOTOR-MEDIUM),UNSEAL	
710	TUA	SDAISXX	VARIABLE	INSTRUMENT,SEAL WITH SOLDERING IRON	
710	MUA	SDAIUXX	VARIABLE	INSTRUMENT,UNSEAL WITH IRON	
710	MUA	SDAIU04	22470	INSTRUMENT,UNSEAL WITH INDUCTION HEATER	
710	MAA	SDALR01	1876	LENS(GAUGE),REPLACE IN GAUGE	
710	EUA	SDAMU01	14270	MOTOR(GYRO-LARGE),UNSEAL	33
710	EUA	SDAMU02	14677	MOTOR(GYRO-MEDIUM),UNSEAL AND SEPARATE INTO SUB-ASSEMBLIES	
710	EUA	SDANUXX	VARIABLE	NUT(GYRO MOTOR),UNSEAL	
710	MAA	SDAPI01	375	POINTER(PRESSURE GAUGE),INSTALL	
710	MUA	SDAPP01	1900	PLUG(SEALING),POSITION AND SOLDER TO INSTRUMENT	
710	MAA	SDAPR01	1856	POINTER(GAUGE OR INSTRUMENT),REPLACE	34
710	MUA	SDAPR02	1950	PLUG(SEALING),REMOVE FROM INSTRUMENT	
710	MAA	SDASP01	6300	SPRING(HAIR),POSITION	
710	EUA	SDASR01	2666	SOLDER(EXCESS),REMOVE FROM SEAL EDGES OF CAP AND HOUSING(GYRO MOTOR)	
710	EUA	SDASR02	2638	SOLDER(EXCESS),REMOVE FROM SEAL NUT HOLE(GYRO MOTOR)	
710	EUA	SDASR03	3398	SOLDER(EXCESS)AND WEIGHTS,REMOVE FROM EXTERIOR OF LARGE GYRO MOTOR	
710	MUA	SDATR01	1582	TUBE(BOURDON),REMOVE AND REPLACE	
710	EUA	SDATU01	969	TUBE(EVACUATION-LARGE GYRO MOTOR),UNSEAL	35
710	MAA	MITIT01	1370	INSTRUMENT,TEST(SET UP FOR LEAK TEST)BENCH	
710	MAA	MITIT02	1370	INSTRUMENT,TEST FOR LEAKS	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
710	TUA	MITIT03	1340	INSTRUMENT,TEST (REPAIR ONE LEAK)PER LEAK	35
710	MUA	MITIT04	2160	INSTRUMENT,TEST (PURGE AND GAS FILL)	
710	TUA	MITIT05	1550	INSTRUMENT,TEST (SEAL FILL TUBE)	
710	TUA	MITIT06	2750	INSTRUMENT,TEST (SEAL WITH SOLDERED PLUG)	
710	MAA	SITBC01	8960	BALANCER (GISHOLT MODEL "S"),CALIBRATE	36
710	MAA	SITBC02	8920	BALANCER (GISHOLT UJP),CALIBRATE	37
710	MAA	SITBC03	9670	BALANCER (BEAR MODEL 400B2),CALIBRATE	38
710	MAA	SITBC04	1830	BALANCER (GISHOLT MODEL 34V9107),CALIBRATE	
710	MAA	SITBC05	3270	BALANCER (AUTOMATIC CYCLE GISHOLT MODEL S), CALIBRATE	39
710	MAA	SITRS01	14420	BALANCER,SET UP,GISHOLT MODELS 34V9107,S,UJP AND BEAR 400B2	
710	MAA	SITBT01	10700	BATTERIES,TEST AND REPLACE	
710	MAA	SITCA01	1364	CLEARANCE (DIAL INDICATOR),ADJUST	
710	MAA	SITCT01	1636	COMPONENT,TEST IN VACUUM CHAMBER	40
710	MAA	SITGA01	4180	GEAR MESH,ADJUST	
710	MAA	SITHA01	29620	METER,ADJUST	
710	MAA	SITPA01	3700	PIVOTS (JEWEL),ADJUST	
710	MAA	SITPT01	1202	PLAY,TEST WITH SHEFIELD END PLAY TESTER	
710	MAA	SITRB01	24780	ROTOR,BALANCE (STATIC)	
710	MAA	SITRTXX	VARIABLE	RESISTANCE,TEST	41
710	MAA	SITSG01	186	SPACING (SHAFT END),GAUGE WITH GO,NO-GO GAUGE	
710	MAA	SITSG02	350	SPACING (GAP),GAUGE WITH GO NO-GO GAUGE	
710	MAA	SITSG03	1087	SPACE (END),GAUGE WITH DEPTH MICROMETER,ADJUST	
710	MAA	SITUC01	6130	UNIT,CHECK BALANCE,GISHOLT MODELS 34V9107,S, UJP AND BEAR 400B2	42
710	MAA	SITUC02	4160	UNIT,CHECK BALANCE,MICRO-NAMIC MODEL EV-2	
710	MUA	KITGC01	14725	GAUGE (PRESSURE),CALIBRATE AND ADJUST	
710	MAA	SNFTIXX	VARIABLE	TAPE (TEFLON),INSTALL TO INSTRUMENT SEAM	
710	MAA	SOHCRO1	351	COVERS (GYRO-OUTER),REMOVE	43
72X	MAA	SCLCC01	1734	CONTACTS,CLEAN WITH BRUSH	
72X	MAA	SCLSCXX	VARIABLE	SWITCH (ROTARY),CLEAN WITH SPRAY	
72X	MAA	SCLSF01	456	SOLDERING IRON,FILE TIP SMOOTH	
72X	MAA	SCLSRXX	VARIABLE	SOLDER,REMOVE	
72X	MUA	SCLSR03	452	SOLDER,REMOVE FROM COMPONENT-PER POINT	
72X	MUA	SCLTCXX	VARIABLE	TERMINAL,CLEAN FIRST OR SINGLE PIN/POST/EYELET WITH SOLDERING IRON AND VACUUM (SOLDER SUCKER)	44
72X	MUA	SCLTC03	994	TERMINAL (ELECTRICAL/EYELET),CLEAN	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	MCPCCLXX	VARIABLE	CLAMP(ELECTRON TUBE), LOOSEN AND TIGHTEN	44
72X	MAA	SCPCIXX	VARIABLE	CLAMP(CABLE), INSTALL WITH LOCKNUT, SCREW/BOLT AND WASHER	
72X	MAA	SCPCRXX	VARIABLE	CLAMP(CABLE), REPLACE WITH LOCKNUT, BOLT/SCREW AND WASHER	45
72X	MAA	SCPCRO5	6400	CLAMPS, REPLACE	
72X	MAA	SCPCUXX	VARIABLE	CLAMP(CABLE), UNBOLT LOCKNUT, BOLT/SCREW AND WASHER	
72X	MAB	MDAARO1	114	ASSEMBLY(TERMINAL), REMOVE FROM CONNECTOR	
72X	MAW	MDACDXX	VARIABLE	CONNECTOR, DISCONNECT AND CONNECT	
72X	MAA	SDACA01	6046	CABLE(COAXIAL), ASSEMBLE AND INSTALL TO PANEL MOUNTED TYPE RECEPTACLE	46
72X	MAA	SDACC01	485	CABLE(COAXIAL), CONNECT ONE END TO THREADED FITTING	
72X	MAA	SDACDXX	VARIABLE	CLIP OR SOCKET(MOUNTING-ELECTRONIC COMPONENT), DETACH(RIVETS)	
72X	MAA	SDACD03	399	CABLE(COAXIAL), DISCONNECT/REMOVE FROM THREADED CONNECTOR/RECEPTACLE IN SET/UNIT	
72X	MAA	SDACIXX	TABLE	COMPONENT, INSTALL AND REMOVE	47
72X	MAA	SDACIO1	3480	COMPONENT, INSTALL WITH SOLDER	
72X	MAA	SDACIO2	7620	COMPONENT, INSTALL WITH SOLDER	
72X	MAA	SDACLO1	569	CABLE, LUBRICATE AND INSERT IN PLUG	
72X	MBA	SDACRXX	VARIABLE	CAPACITOR/RESISTOR, REPLACE	48
72X	MAA	SDACRO3	4695	CAPACITOR(BUTTON TYPE), REPLACE(SOLDERED)	
72X	MAA	SDACRO4	6851	COMPONENT, REPLACE	
72X	MAA	SDACRO5	7648	CONNECTOR END, REPLACE ON COAXIAL CABLE	
72X	MAA	SDACRO6	853	CONNECTOR END(THREADED), REMOVE FROM COAXIAL CABLE	
72X	MAA	SDACRO7	714	CAP(CONNECTOR-THREADED), REMOVE AND INSTALL	
72X	MUA	SDACSEX	VARIABLE	CIRCUIT(ELECTRON TUBE), SERVICE(MECHANICAL)	49
72X	MAA	SDAERXX	VARIABLE	COMPONENT(ELECTRONIC), REPLACE	
72X	MAA	SDAFRXX	VARIABLE	FILTER OR COIL, REPLACE	
72X	MAA	SDAGIXX	VARIABLE	GROMMET, INSTALL, USING GUIDE WIRE AND ARBOR PRESS	50
72X	MAA	SDAHRXX	VARIABLE	HOLDER(FUSE), REPLACE	
72X	MAA	SDAJRXX	VARIABLE	JACK/TEST POINT(PANEL MOUNTED), REPLACE	
72X	MAA	SDALRO1	920	LAMP(PILOT), REPLACE	
72X	MAA	SDAMGXX	VARIABLE	MOUNT(SINGLE STUD), GET, PREPARE AND FIT TO CHASSIS	51
72X	MAA	SDAMRXX	VARIABLE	METER, REPLACE	
72X	MAA	SDAPAXX	VARIABLE	PLUG/CABLE(MOUNTED), DISASSEMBLE/ASSEMBLE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	SDAPDXX	VARIABLE	PLUG(ONE SOLDERED PIN),DISASSEMBLE AND ASSEMBLE	52
72X	MAA	SDAPD03	5105	PLUG,DISASSEMBLE AND ASSEMBLE	
72X	MAA	SDAPD04	3712	PLUG(MULTI-PIN OR RIBBON-RECTANGULAR SHAPED), DISASSEMBLE AND ASSEMBLE(CABLE MOUNTED)	
72X	MAA	SDAPEXX	VARIABLE	PART(PLUG IN),ENGAGE BY HAND	
72X	MAA	SDAPFXX	VARIABLE	PART(SINGLE AND MULTI-ALIGN),FIT TO CHASSIS	53
72X	MAA	SDAPIXX	TABLE	PART(ELECTRONIC),REPLACE	54
72X	MAA	SDAPLXX	VARIABLE	PLUG,LOCATE,CONNECT AND REMOVE	55
72X	MAA	SDAPMXX	VARIABLE	PART(AXIAL LEAD),MOUNT IN/REMOVE FROM CLIP HOLDER	
72X	MAA	SDAPRXX	VARIABLE	PART,REPLACE	56
72X	MUA	SDAPR12	29800	POTENTIOMETER,REPLACE	
72X	MAA	SDAPR13	16389	POTENTIOMETER(STUD MOUNTED),REPLACE	57
72X	MAQ	SDAPR14	1057	PLUG,REASSEMBLE TO CABLE(WITH SLEEVE)	
72X	MAA	SDARCXX	VARIABLE	CLIP(MOUNTING,TRANSISTOR),REMOVE	
72X	MAA	SDARDXX	VARIABLE	RELAY(WIRED),REPLACE	
72X	MAA	SDAREXX	TABLE	COMPONENT(ELECTRONIC),REPLACE	58
72X	MBA	SDARLXX	TABLE	LEAD(AND SOCKET,ELECTRON TUBE),REPLACE	
72X	MAA	SDARPXX	VARIABLE	PART(PLUG IN TYPE),REMOVE	59
72X	MAA	SDARRXX	VARIABLE	RECEPTACLE(COAXIAL),REPLACE ON PANEL	
72X	MAA	SDARRO9	995	RECEPTACLE(PANEL MOUNT TYPE),REMOVE FROM COAXIAL CABLE	
72X	MAA	SDARR10	630	RECTIFIER(CRYSTAL),REPLACE(PLUG IN TYPE)	60
72X	MAA	SDARSXX	VARIABLE	SWITCH,REPLACE	
72X	MAA	SDARTXX	VARIABLE	TUBE(ELECTRON-PLUG IN TYPE),REPLACE	
72X	MAA	SDASCXX	VARIABLE	SWITCH,CONNECT WIRES AND INSTALL	
72X	MAA	SDASDXX	VARIABLE	SWITCH,DISCONNECT WIRES AND REMOVE	
72X	MAA	SDASIXX	VARIABLE	SEMI-CONDUCTOR,INSTALL WITH SOLDER	61
72X	TBA	SDASRXX	VARIABLE	SWITCH,REPLACE(CONNECT,DISCONNECT LEADS)	
72X	MAA	SDASR07	5774	SWITCH(WAFER),REPLACE	
72X	MAA	SDASSXX	VARIABLE	SHIELD(TUBE),SNAP ON AND OFF	
72X	MAA	SDATIXX	VARIABLE	TRANSFORMER,REPLACE	62
72X	MAA	SDATIO5	710	TERMINAL(FEED THROUGH TYPE),INSTALL	
72X	MBA	SDATRXX	VARIABLE	TUBE(ELECTRON-SOLDERED LEADS),REPLACE	
72X	MAA	SDATRO3	19769	TUBE(ELECTRONIC),REPLACE	
72X	MAA	SDATRO4	249	TUBE(ELECTRON),REPLACE	
72X	MAA	SDATRO5	3550	TUBE(KLYSTRON-TYPE QK547),REPLACE	63



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	SDATR06	18580	TUBE(CATHODE RAY),REPLACE	63
72X	MAA	SDATR07	4749	TUBE(CATHODE RAY),REMOVE AND INSTALL	
72X	MAA	SDAWRXX	VARIABLE	WAFER,REPLACE ON WAFER SWITCH	64
72X	MAO	SIDLI01	122	LUG,IDENTIFY WITH SLEEVE MARKER	
72X	MAA	MITCAXX	VARIABLE	CONTROLS,ADJUST	
72X	MAA	MITCA03	325	CONTROLS,ADJUST-LOOSEN AND TIGHTEN LOCKNUT	
72X	MUA	MITGA01	1710	GENERATOR(RADIO FREQUENCY),ADJUST	65
72X	MAA	MITPA01	1260	POTENTIOMETER OR TRIMMER,ADJUST	
72X	MAA	MITVCXX	VARIABLE	VOLTAGE(STANDING WAVE RATIO),CHECK	
72X	MAA	SITBS01	810	BRIDGE(WHEATSTONE),SET UP AND DISMANTLE	
72X	MAA	SITCCXX	VARIABLE	CONTINUITY,CHECK	66
72X	TUA	SITCC03	3910	CAPACITOR,CALIBRATE	
72X	MAA	SITCMXX	VARIABLE	CHECK,MAKE WITH PORTABLE ELECTRICAL METER	
72X	TUA	SITCTXX	VARIABLE	CURRENT,TEST FOR INSTRUMENT CALIBRATION	
72X	MAA	SITCT03	720	COMPONENT(PANEL LIGHTS),TEST	67
72X	MAA	SITCT04	1470	COMPONENT,TEST WITH MEGGER	
72X	MAA	SITDT01	850	DEVICE,TEST WITH SIMPSON 2600 CONSOLE	
72X	MUA	SITDT02	2420	DEVICE,TEST WITH 691/U CONSOLE TEST SET	
72X	MUA	SITDT03	2200	DEVICE,TEST FREQUENCY,PHASE OR MODULATION WITH OSCILLOSCOPE	68
72X	TUA	SITFDXX	VARIABLE	FREQUENCY,DETERMINE	
72X	MUA	SITFT01	980	FREQUENCY,TEST	
72X	MUA	SITGA01	1710	GENERATOR(RADIO FREQUENCY),ADJUST	
72X	MAA	SITHMXX	VARIABLE	HI-POT CHECK,MAKE	69
72X	MUA	SITIC01	813	INSULATION,CHECK WITH PORTABLE TESTER AND VARIAC	
72X	MAA	SITITXX	VARIABLE	INSULATION/HI-POT(WIRE),TEST	
72X	TUA	SITOT01	1230	OUTPUT(POWER),TEST	
72X	MAA	SITPA01	1680	POTENTIOMETER OR TRIMMER,ADJUST	68
72X	MAA	SITRC01	171	RANGE(METER),CHANGE AND ADJUST ZERO KNOBS	
72X	MAA	SITROXX	VARIABLE	RESISTANCE,OBTAIN VALUE WITH WHEATSTONE BRIDGE	
72X	MAA	SITRT01	2550	REGULATION,TEST	
72X	MAA	SITTCXX	VARIABLE	CIRCUIT BOARD,SET UP AND TEST(DIT-M-CO)	69
72X	TBA	SITTTXX	VARIABLE	TRANSISTOR(THREE LEADS),TEST	
72X	MAA	SITTT03	4740	TUBE(ELECTRON),TEST	
72X	MAA	SITVCXX	VARIABLE	VOLTAGE/RESISTANCE,CHECK	
72X	MAA	SITVC03	3430	VOLTAGE(NULL SYNCHRO),CHECK	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	SITVC04	1050	VOLTAGE/RESISTANCE,CHECK	69
72X	TUA	SITVTXX	VARIABLE	VOLTAGE,TEST	
72X	MAA	MJPSP01	419	SOLDERING IRON(PISTOL GRIP TYPE),PREPARE FOR USE	
72X	MAA	MJPSP02	457	SOLDERING IRON(CONVENTIONAL TYPE),PREPARE FOR USE	
72X	TBA	MJPSTXX	VARIABLE	SOLDERING IRON,TIN	70
72X	MAA	SJPM501	772	METER(ELECTRICAL=OHM,VOLT,ETC.),SET UP AND DISMANTLE	
72X	MAA	SJPM502	334	METER(TEST),SET UP AND DISMANTLE	
72X	MAA	SJPM503	1810	MULTI-METER,SET UP AND ASIDE(TO PERFORM CONTINUITY OR RESISTANCE CHECK)	
72X	MAA	SJPM504	1254	METER AND MEGGER,SET UP AND TAKE DOWN	
72X	MAA	SJPTP01	513	TUBING(VINYL),PREPARE FOR INSTALLATION	
72X	MAA	SNFFR01	329	FUSE,REPLACE	
72X	MAA	SNFMR01	60	PART(MATING),REMOVE	71
72X	MAO	MOHCSXX	VARIABLE	CHASSIS,SLIDE FROM AND INTO CASE,ELECTRONICS ASSEMBLY	
72X	MAF	MOHCT01	161	CHASSIS,TURN OVER(WITH CARE)	
72X	MAA	MOHPPXX	VARIABLE	PART,PLUG IN BY HAND	
72X	MAA	SOHCD01	61	CABLE(COAXIAL),DISCONNECT	
72X	MAA	SOHCRXX	VARIABLE	CHASSIS,REMOVE FROM CASE	
72X	MAB	SOHCR03	85	CAP AND HANDLE ASSEMBLY,REMOVE FROM CONNECTOR	
72X	MAO	MPAW001	179	WIRE(LUGGED),PAINT	72
72X	TAA	MPTSMXX	VARIABLE	SOLDER,MELT TO SOLDER/UNSOLDER	
72X	TUN	MPTSTXX	VARIABLE	WIRE,SOLDER TO TERMINAL-PROCESS TIME ONLY	
72X	TUN	MPTSWXX	VARIABLE	SOLDER,WIRE TO WIRE-PROCESS TIME ONLY	
72X	MAA	STFSB01	959	SCREW(CAPTIVE),BACK OUT AND RESEAT	
72X	MAA	MTLCR01	5237	COMPOUND(PUTTING),REMOVE	73
72X	MAB	MTLGR01	111	GROMMET(RUBBER),REMOVE FROM BODY OF CONNECTOR ASSEMBLY	
72X	MAA	MTLPS01	85	PINS(TUBE),STRAIGHTEN,USING PIN STRAIGHTENER	
72X	MAA	MTLTIXX	VARIABLE	TERMINAL,INSTALL	
72X	MAA	MTLTIO1	1424	TERMINAL AND LUG ASSEMBLY,INSTALL	
72X	MAA	MTLTIO4	1817	TERMINAL(POST),INSTALL	
72X	MAA	MTLTRXX	VARIABLE	TERMINAL ASSEMBLY,REMOVE	
72X	MAO	MTLTR01	373	TIP,REMOVE AND REINSTALL ON ELECTRIC SOLDERING GUN	74
72X	MAA	MTLWIO1	815	PIN,INSTALL ON WIRE WITH CRIMPER	
72X	MAA	STLPRXX	VARIABLE	PIN,REPLACE AND REINSTALL	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTD ELEMENT	TIM VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	STLPRO1	3550	PIN(ELECTRICAL PLUG), REPLACE	74
72X	MAA	STLTRXX	VARIABLE	TUBING(SHRINKABLE), REMOVE	
72X	TUA	STPSHXX	VARIABLE	SLEEVING(ELECTRICAL WIRE), HEAT TO SHRINK	
72X	MAA	MVSBRRX	VARIABLE	BOARD(PRINTED CIRCUIT), REMOVE FROM JIG AND INSTALL IN JIG	75
72X	MAA	MWHC1XX	VARIABLE	CONNECTOR END, INSTALL ON COAXIAL CABLE	
72X	MAA	MWHCL01	2297	CLAMP(HARNESS), LOOSEN AND TIGHTEN	
72X	MAA	MWHI1XX	VARIABLE	INSULATION(SPAGHETTI), INSTALL ON WIRE(S)	
72X	MAO	MWHLA01	175	LUG, ATTACH TO CONTACT WITH SCREW	
72X	MAA	MWHLC01	352	LUG(TERMINAL), CRIMP TO WIRE END	
72X	MAO	MWHLFXX	VARIABLE	LOOP, FORM OR OPEN WITH PLIERS	76
72X	MAA	MWHLRXX	VARIABLE	LEAD(WIRE), REMOVE/INSTALL TO BINDING POST	
72X	MAA	MWHNI01	142	NUT(PLASTIC WIRE SPLICER), INSTALL	
72X	MAA	MWHPI01	660	PIN(WITH WIRE), INSTALL IN CONNECTOR	
72X	MAA	MWHSCO1	179	SINK(HEAT), CLAMP TO AND REMOVE FROM WIRE	
72X	MAA	MWHSP01	873	SHIELD(METAL), PREPARE ON STRANDED WIRE FOR GROUND	
72X	MAA	MWHSWXX	VARIABLE	SPLICE(WIRE), WRAP WITH TAPE	
72X	MAA	MWHWA01	70	WIRE, ATTACH LOOP TO TERMINAL	77
72X	MAA	MWHWRXX	VARIABLE	WIRE, REMOVE UNSOLDERED OR CUT STRANDED WIRE FROM SET/UNIT	
72X	TUA	MWHWR03	428	WIRE(STRANDED), REMOVE FROM PLUG PIN(UNSOLDER)	
72X	MAA	MWHWTXX	VARIABLE	WIRES(STRANDED), TWIST TOGETHER IN PAIRS	
72X	MAA	MWHWT05	157	WIRE, TWIST ON TERMINAL	
72X	MAA	TWHWRXX	TABLE	WIRE, REMOVE FROM VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS	78
72X	MAA	SWHCC01	2066	CABLE(COAXIAL), CUT AND TERMINATE	
72X	MAA	SWHC1XX	VARIABLE	CONNECTOR(CABLE), INSTALL AND REMOVE	79
72X	MAA	SWHC109	11732	CABLE(SHIELDED/COAXIAL), INSTALL	
72X	MAA	SWHC110	2654	CABLE(COAXIAL), INSTALL WITH THREADED CAP	80
72X	MHA	SWHCRXX	VARIABLE	COMPONENT, REPLACE	
72X	MAA	SWHCRO4	5734	CABLE(SHIELDED/COAXIAL), REMOVE	
72X	MAA	SWHCRO5	929	CABLE(COAXIAL), REMOVE FROM CONNECTOR WITH THREADED CAP	81
72X	MAA	SWHLSXX	VARIABLE	CABLE(COAXIAL), STRIP INSULATION	
72X	MAA	SWHNUXA	VARIABLE	HARNESS(ELECTRICAL), UNWRAP TAPE	
72X	MAA	SWHNVXX	VARIABLE	HARNESS(ELECTRICAL), WRAP WITH TAPE	
72X	MAA	SWHIRXX	VARIABLE	INSULATION(WIRE), REMOVE	82



OFFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DOWNSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	SWHISXX	VARIABLE	INSULATION,STRIP	82
72X	TUA	SWHIWXX	TABLE	WIRE,REMOVE/INSTALL TO/FROM CONNECTOR	83
72X	MAA	SWHLAXX	VARIABLE	LUG,ATTACH WIRE AND INSTALL	
72X	MUA	SWHLCXX	VARIABLE	LEAD(WIRE),CLEAN AND PREPARE END FOR REINSTALLATION(STRANDED WIRE)	
72X	MAA	SWHLRXX	VARIABLE	LEAD,REMOVE FROM TERMINAL	84
72X	MAA	SWHLR05	7712	LEAD(STRANDED),RELOCATE	
72X	MBA	SWHLR06	1750	LEAD,REMOVE FROM PRINTED CIRCUIT BOARD	
72X	MAA	SWHLR07	873	TERMINAL LUG(RING TYPE),REPLACE ON STUD(WIRE ATTACHED)	
72X	MBA	SWHLS01	11890	LEAD,SOLDER ON PRINTED CIRCUIT BOARD	
72X	MAA	SWHLU01	3967	LEAD(AXIAL),UNSOLDER,SOLDER,TAG,UNTAG	
72X	MAA	SWHPA01	3123	PIGTAIL(GROUND LEAD),ATTACH TO CABLE SHIELD	85
72X	MAA	SWHPF01	1190	PIGTAIL(METAL SHIELD),FORM	
72X	MAA	SWHPIXX	VARIABLE	PART(AXIAL LEAD),INSTALL ON PIN POST OR EYELET TERMINAL	
72X	MAA	SWHPI03	963	PLUG(BANANA TYPE),INSTALL AND REMOVE	
72X	MAA	SWHPRXX	VARIABLE	PART(AXIAL LEAD),REMOVE FROM PIN/POST OR EYE- LET TERMINAL	
72X	MAA	SWHPR05	6136	PLUG(AC/DC WITH CLAMP AND GROUND),REPLACE ON CABLE	86
72X	MAA	SWHRLXX	TABLE	LEAD,REMOVE AND INSTALL,VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS	
72X	MAA	SWHRPXX	VARIABLE	PART(AXIAL LEAD),REPLACE ON PIN/POST TERMINAL OR EYELET TYPE TERMINAL	87
72X	MAA	SWHRWXX	VARIABLE	WIRE,ROUTE THROUGH OBSTRUCTION	
72X	MAA	SWHRW05	883	WIRE,ROUTE FROM ONE TERMINAL TO HARNESS AND FROM HARNESS TO THE OTHER TERMINAL	
72X	MAA	SWHRW06	723	WIRE,ROUTE SIX INCHES ALONG HARNESS	
72X	MAA	SWHRW07	137	WIRE,ROUTE THROUGH GROMMET OR HOLE	
72X	MAA	SWHST01	520	SOLDER(CONNECTION),TOUCH UP	
72X	MAA	SWHSU01	2694	SHIELD(CABLE-BRAIDED METAL),UNRAVEL	88
72X	MAA	SWHSWXX	VARIABLE	WIRES,SPLICE(SHIELDED WIRE)	
72X	MAA	SWHTI03	3996	TUBING(SHRINK),GET,CUT AND INSTALL	
72X	MAA	SWHTPXX	VARIABLE	TUBING(VINYL),PREPARE AND INSTALL ON LEADS/ STUD	
72X	MAA	SWHWAXX	VARIABLE	WIRE,ATTACH TERMINAL AND CONNECT TO POST (SHIELDED WIRE)	89
72X	MAA	SWHWCXX	VARIABLE	WIRE,CONNECT TO PIN WITH SOLDER	
72X	MAA	SWHWIXX	VARIABLE	WIRE(BUS),INSTALL TO TWO TERMINALS	
72X	MAA	SWHWI03	804	WIRE,INSTALL AND SOLDER LEAD END INTO PIN TERMINAL ON PLUG/RECEPTACLE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
72X	MAA	SWHWPXX	TABLE	WIRE, PREPARE AND INSTALL	90
72X	MBA	SWHWRXX	VARIABLE	WIRE, REPLACE	
72X	MAA	SWHWSXX	VARIABLE	WIRES, SPLICE (NON-SHIELDED WIRE)	
72X	MUA	SWHWS03	1031	WIRE, SPLICE (WITH SOLDER)	91
72X	MAA	SWHWS04	633	WIRE, SPLICE (SOLDERLESS)	
72X	TBA	SWHWUXX	TABLE	WIRE, SOLDER OR UNSOLDER, FROM/TO VARIOUS POINTS	
720	MAA	SACDS01	51	DRIVE (MECHANICAL-RECORDER SPEED), SET OR RESET	
721	MAA	SCLCP01	486	COMMUTATOR, POLISH AND CLEAN WITH CROCUS CLOTH	92
721	MAA	SCLSCXX	VARIABLE	COMMUTATOR (STATOR AND ARMATURE), CLEAN WITH ERASER AND AIR	
721	MAA	MDABP01	1290	BEARING, PRESS OUT	
721	MAA	MDACR01	2190	COVER (MOTOR END), REMOVE	
721	MAA	SDAARXX	VARIABLE	ARMATURE, REPLACE	
721	MAA	SDABIXX	VARIABLE	BEARING (MOTOR), INSTALL	
721	MAA	SDABP01	1660	BEARING, PRESS OUT AND REMOVE SLINGER	93
721	MAA	SDABRXX	TABLE	BRUSHES, REPLACE	
721	MAA	SDACIXX	VARIABLE	COVER (MOTOR), INSTALL	
721	MAA	SDAGR01	13500	GEAR TRAIN (SYNCHRO), REPLACE	
721	MAA	SDAMD01	1796	MOTOR, DISASSEMBLE (TRU-ARC RING)	94
721	MAA	SDAMD02	4236	MOTOR, DISASSEMBLE (THREE SCREWS AND COVER)	
721	MAA	SDAMD03	8360	MOTOR (RESOLVER), DISASSEMBLE	
721	MAA	SDAMHXX	VARIABLE	MOTOR (ELECTRIC), MOUNT AND HOOK UP	
721	MAA	SDAMR01	9160	MOTOR (OR MOTOR GENERATOR), REPLACE TO GEAR PLATE	
721	MAA	SDAMR02	10960	MOTOR, REPAIR	95
721	MBA	SDAMR03	24560	MOTOR, REPLACE	
721	MAA	SDAMR04	22090	MOTOR (GENERATOR), REPAIR (DISASSEMBLE, CLEAN, EXAMINE, AND ASSEMBLE)	
721	MBA	SDAMR05	37140	MOTOR (GENERATOR), REPLACE	96
721	MAA	SDARS01	18340	SYNCHRO, REPAIR	
721	MBA	SDARS02	29450	SYNCHRO, REPLACE	
721	MAA	SDASRXX	VARIABLE	SHIM, REPLACE ON ARMATURE	97
721	MAA	SDAU01	11870	UNIT (MOTOR/GENERATOR), ASSEMBLE	
721	MAA	MITBCXX	VARIABLE	BEARINGS (MOTOR), CHECK FIT TO CAP AND HOUSING	
721	MAA	MITBC03	621	BEARING (SMALL MOTOR), CHECK FIT TO HOUSING (BOTH ENDS)	
721	MAA	MITTIO1	122	TENSION (BRUSH SPRING), INSPECT AND TEST	
721	MAA	SITAC01	635	ARMATURE, CHECK WITH GROWLER	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUF	OPERATION/ELEMENT DESCRIPTION	PAGE
721	MAA	SITAC02	8160	ARMATURE,CHECK AND STRAIGHTEN	98
721	MAA	SITBEXX	VARIABLE	BRUSHES,EXAMINE	
721	MAA	SITCCXX	VARIABLE	CONCENTRICITY(ARMATURE),CHECK WITH DIAL INDICATOR	99
721	MUA	SITECO1	6310	END PLAY(ARMATURE),CHECK	
721	MAA	SITMC01	6440	MAGNET(ARMATURE),CHARGE	
721	MAA	SITMD01	6090	MAGNET(ARMATURE),DEMAGNETIZE	
721	MAA	SITMIXX	VARIABLE	MOTOR(ELECTRIC),TEST	
721	MAA	SITSIXX	VARIABLE	SEATING(BRUSH),INSPECT AND TEST	
721	MAA	MSUBA01	195	BLOCK("V"AND DIAL INDICATOR),ADJUST	
721	MAA	SSUDS01	637	DIAL(INDICATOR),SET UP AND DISMANTLE TO/FROM V BLOCK	
726	MAA	SDACRXX	VARIABLE	CIRCUIT(PIECE),REMOVE FROM PRINTED CIRCUIT BOARD	
726	MAA	SDACT01	4679	COVER(TUBE TYPE OSCILLOSCOPE),TAKE OFF AND PUT ON	100
726	MAA	SDAWRXX	VARIABLE	WAVEGUIDE(SECTION),REPLACE	101
726	TUA	SITD001	3620	DISTORTION,DETERMINE	
728	TUA	SDACS01	7298	CONDUIT,SOLDER FERRULES AND INSTALL NUTS	
728	MAA	SIDCM01	396	CABLE,MANUFACTURE,MARK SLEEVING,PER MARK	
728	MAA	SIDCS01	1200	CABLE,STAMP AND APPLY LABEL	
728	MAA	SIOLP01	7760	LABEL,PREPARE AND ATTACH TO CABLE	
728	MAA	MITCT01	1050	CABLE(COAXIAL),TEST INSULATION(AFTER ASSEMBLY)	
728	MAA	SITCEXX	VARIABLE	CABLE,EXAMINE VISUALLY FOR DEFECTS/DAMAGE	
728	MAA	SITCM01	1410	CABLE,MANUFACTURE,CHECK CONTINUITY,PIN TO PIN	
728	MAA	SITCT01	2440	CABLE,TEST AND EXAMINE	
728	MAA	SITCT02	4978	CABLE(TRIAXIAL),TEST AND CHECK	102
728	MAA	SITCT03	1340	CABLE,TEST(PIN TO PIN-ONE PLUG)	
728	MAA	SITCT04	1088	CABLE(COAXIAL),TEST ON PANEL(FINAL)	
728	MAA	SITCT05	1150	CABLE,TEST(PIN TO PIN-TWO PLUGS)	
728	MAA	SITCT06	98	CABLE(ELECTRICAL),TWIST TEST PLUG ENDS	
728	MAA	SJPC101	3600	CABLE(ROUND OR SPLIT TYPE),INSTALL AND REMOVE IN/FROM FIXTURE	
728	MAA	SJPCLXX	VARIABLE	CABLE(ELECTRICAL),LAYOUT	
728	MAA	SJPCP01	1560	CABLE(COAXIAL),PREPARE TO MANUFACTURE AND TEST	
728	MAA	SJPPV01	440	PARTS(AVIONIC CABLE),VERIFY AND EXAMINE	
728	MAA	SJPSS01	640	STOP(MEASURING TABLE),SET FOR DESIRED LENGTH	103
728	MAA	SJPTI01	5920	TUBE(POTTING),INSERT IN,REMOVE FROM GUN,CLEAN	
728	MAA	SJPTL01	1560	TERMINALS,LOAD IN MACHINE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

UCCUP- ATTION	QUALITY	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
728	FAA	SMTCS01	31460	CONDUIT,SOLDER	103
728	TUA	MPTCM01	1514	CABLE,MANUFACTURE,WARM UP CODING MACHINE	
728	MAA	MSUCM01	2330	CABLE,MANUFACTURE,SET UP STAMPING DIE	
728	MAA	SSUCM02	1370	CABLE,MANUFACTURE,REPLACE STAMPING BLOCK	104
728	TUA	SSUCM03	1690	CABLE,MANUFACTURE,REPLACE RIBBON IN CODING MACHINE	
728	MAA	SSUCM04	1902	CABLE,MANUFACTURE,REPLACE WIRE SPOOL IN CODING MACHINE	
728	MAA	SSUDS01	3660	DIE(STAMPING),SET UP	
728	MAA	SSUMS01	2360	MACHINE(CABLE CODING),SET UP	
728	TUA	STLFR01	2450	FERRULE(ON CONDUIT),REAM BY HAND	
728	MAA	MTPCM01	2490	CONDUIT(ELECTRICAL-BRASS),MEASURE AND CUT	105
728	MAA	MTPCM02	1690	CONDUIT(ELECTRICAL-ALUMINUM),MEASURE AND CUT	
728	MAA	STPC001	3258	CONDUIT(ELECTRICAL-BRASS),DRESS AND FILE	
728	MAA	MWHWFX	VARIABLE	WIRE(S),FEED THROUGH CONDUIT	
728	MUA	SWHBIO1	2900	BAND(LOCKING),INSTALL AND CRIMP,AIRCRAFT CABLE	
728	MAA	SWHCC01	1004	CABLE(BONDING),CUT(PER CUT)	
728	MAA	SWHCIX	VARIABLE	CABLE,INSTALL AND REMOVE FROM TYING FIXTURE	106
728	MAA	SWHCIO4	2738	COLLAR(THREADED METAL),INSTALL ON COAXIAL CABLE-UNRAVEL BRAIDED METAL SHIELD AND PRESS TO COLLAR	
728	MAA	SWHCM01	1060	CABLE,MANUFACTURE,INSTALL HEAT INSULATION,ONE INCH LONG	
728	MAA	SWHCM02	810	CABLE,MANUFACTURE,TIE CABLE WITH PLASTIC STRAP,PER STRAP	
728	MBA	SWHCM03	2058	CABLE,MANUFACTURE,STRIP SHIELDED WIRE AND ATTACH JUMPER	
728	MAA	SWHCS01	12030	CONDUIT,STRIP AND INSTALL NUTS	107
728	MUA	SWHPMXX	VARIABLE	PLUG(CABLE),MOLD	
728	MAA	SWHPR01	7380	PLUG(CABLE),REMOVE FROM MOLD	
728	MAA	SWHSIX	VARIABLE	SLEEVING(VINYLITE),INSTALL OVER CABLE	
728	MAA	SWHSIO3	7450	SLEEVING,INSTALL	108
728	MUA	SWHSIO4	6110	SPLICE/SLEEVE,INSTALL,MULTI WIRE BUTT SPLICE	
728	MUA	SWHSIO5	3620	SPLICE/SLEEVE,INSTALL,SOLDER SLEEVE,INSULATED WIRE	
728	MUA	SWHSIO6	2900	SPLICE/SLEEVE,INSTALL,SOLDER SLEEVE,SHIELDED WIRE	
728	MUA	SWHSIO7	4220	SPLICE/SLEEVE,INSTALL,SOLDER SLEEVE,COAX CABLE (ONE END ONLY)	
728	MUA	SWHSIO8	2370	SPLICE/SLEEVE,INSTALL,SHIELDED WIRE	109
728	MUA	SWHSIO9	4520	SPLICE/SLEEVE,INSTALL	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
728	MUA	SWHSI10	5690	SPLICE/SLEEVE,INSTALL	109
728	MUA	SWHSI11	7110	SPLICE/SLEEVE,INSTALL,STUB SPLICE WITH END CAP	
728	MAA	SWHSI12	8980	SLEEVING(ZIPPERED VINYLITE),INSTALL	
728	MAA	SWMSRXX	VARIABLE	SLEEVING,REPLACE	110
728	MAA	SWHTI01	632	TERMINAL(AVIONIC CABLE),INSTALL TO CABLE ENDS	
728	MAA	SWHWCXX	VARIABLE	WIRE(AVIONIC CABLE),CODE	
728	MAA	SWHML01	390	WIRE,LOCATE AND SEPARATE FROM BUNDLE	
728	MAA	SWHWMXX	VARIABLE	WIRE,MEASURE AND CUT	
729	MAA	SDACR01	5980	CARBON PILE,REPLACE	111
739	TUA	KCL8DXX	VARIABLE	BLIND(VENETIAN),DISASSEMBLE AND ASSEMBLE	
739	MAF	MOACI01	592	CORD(VENETIAN BLIND,RAISING),INSTALL	
739	MAF	MOACT01	102	CORD(BLIND,VENETIAN),THREAD THRU OPENING IN SLATS	112
739	MAF	SDACI01	1574	CORD(PULL AND TILTING),INSTALL IN VENETIAN BLIND	
739	MAF	SDARA01	165	RAIL(VENETIAN BLIND,TILT),ATTACH TO HEAD RAIL	
739	MAF	SDARD01	227	RAIL(VENETIAN BLIND,TILTING),DETACH AND POSITION TO RECEIVE TAPES	
739	MAF	SDASI01	199	SLATS(VENETIAN BLIND),INSERT IN LADDERS ON TAPE	
739	MAA	SDPCDXX	VARIABLE	CORD/BELT/STRAP,DIP IN WAX	
739	TUA	SFABIXX	VARIABLE	BUTTON(JIFFY),INSTALL TO BLANKET	113
739	MAA	SFAFIG1	810	FASTENER(BUTTON AND SOCKET OR STUD AND EYELET),INSTALL	
739	MAA	SFAFPXX	VARIABLE	FILLER(SOUND PROOFING BLANKET),PLACE IN WRAP	
739	MAA	SFAGI01	981	GROMMET,INSTALL IN SOUND PROOFING BLANKET	
739	MAF	SGMCM01	1951	CORD(VENETIAN BLIND,PULL AND TILTING),MEASURE AND CUT	114
739	MAF	MITSG01	52	SPACING(VENETIAN BLIND ASSEMBLY),GAUGE	
739	MAA	SJPBP01	1444	BLANKET(SOUND PROOFING),PREPARE TO SEW	
739	MAA	SJPPF01	1043	FASTENER(SNAP OR GROMMET),PREPARE TO INSTALL	
739	MAF	SNFBS01	998	BLIND(VENETIAN),SECURE FOR TRANSPORTING	
739	MAF	MOHBH01	280	BLIND(VENETIAN),HANG IN SPRAY BOOTH OR ON DRYING RACK WITH SIX-INCH DIAMETER LOOPS	
739	MAF	MOHBRO1	107	BLIND(VENETIAN),REMOVE FROM SPRAY BOOTH	115
739	MAF	MOHRP01	50	RAIL(VENETIAN BLIND-BOTTOM),PLACE ON FOLDED TAPES(ON HEAD RAIL)	
739	MAF	MOHSM01	116	SLATS(VENETIAN BLIND),MOVE FROM DRYING RACK TO RINSE TANK	
739	MAF	MOHTP01	236	TAPE(VENETIAN BLIND),POSITION ON HEAD RAIL	
739	MAF	MOHTP02	137	TAPE(VENETIAN BLIND),POSITION ON TILT RAIL	



OFFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
739	MAF	SOHBC01	1016	BLIND(VENETIAN),CLOSE UP	115
739	MAF	SOHP001	988	PARTS(VENETIAN BLINDS),OBTAIN,MOVE TO TABLE	
739	MAA	SPYMSXX	VARIABLE	MATERIAL(SOUND PROOFING BLANKET),SEW	116
739	MAF	MTLTC01	277	TAPE(VENETIAN BLIND-FIRST SLAT),CUT	
739	MAA	STPSCXX	VARIABLE	STRAP(NYLON),CUT TO LENGTH	117
74X	MAF	MJPS01	203	STENCIL,PLACE ON WALL	
74X	MAF	MOHLP01	151	LETTERS(SET-METAL STENCIL),PUT IN CASE	118
740	MAO	MCLPW01	265	PAINT(EXCESS),WIPE OFF AFTER STAMPING AND PAINT APPLIED	
740	MAF	MPALPXX	VARIABLE	LETTER(STENCIL),PAINT WITH BRUSH	119
740	MAO	MPAPA01	356	PAINT,APPLY TO FILL METAL STAMPING	
75X	MAA	STPHCXX	VARIABLE	HOLES,CUT IN RUBBER SEAL WITH DRILL	120
754	MAA	SCLCC01	1026	CUP(RESIN MIXING),CLEAN	
754	MAA	SFAM01	30200	MATERIAL,BOND WITH VACUUM PRESSURE AND HEAT LAMPS	121
754	MAA	MITFE01	2760	FIBERGLASS(HONEYCOMB-DAMAGED),EXAMINE,SOUND AND MARK	
754	EUA	SJPBFXX	VARIABLE	BOTTLE(SQUEEZE),FILL	122
754	MAA	SJPGP01	760	GUN(SPRAY),PREPARE AND FILL	
754	MAA	SJPGSXX	VARIABLE	GUIDE(DRILL),SET UP AND ASIDE	123
754	MAA	SJPHL01	8186	HONEYCOMB,LAYOUT AND PREPARE TO REPAIR	
754	MAA	SJPHS01	465	HEAT LAMP(FIBERGLASS REPAIR),SET UP TO HEAT CURE	124
754	MAA	SJPLLXX	VARIABLE	LAMINATE(CLOTH),LAYOUT AND PREPARE TO REPAIR	
754	MAA	SJPRM01	1211	RESIN,MIX	125
754	EUA	SJPRT01	199	RESIN,THIN WITH ACETONE FOR GLAZE MIXTURE	
754	MAA	SLUOLXX	VARIABLE	DRILL,LUBRICATE TO DRILL PLASTIC	126
754	MAA	SPAGAXX	VARIABLE	GLAZE,APPLY TO SURFACE WITH BRUSH	
754	MAA	SPARAXX	VARIABLE	RESIN,APPLY TO DAMAGED AREA	127
754	MAA	SSRCRXX	VARIABLE	CLOTH(INNER LAYER),REPLACE	
754	MUA	SSRFRXX	VARIABLE	FIBERGLASS,REPAIR	128
754	MAA	SSRHP01	2260	HONEYCOMB(FIBERGLASS),PREFORM	
754	MAA	SSRHRXX	VARIABLE	HONEYCOMB(FIBERGLASS),REPLACE	129
754	MAA	SSRORXX	VARIABLE	OBJECT(LAMINATED),REPAIR	
754	MUA	SSROR10	5200	OBJECT(LAMINATED),REPAIR(FILL VOID)	130
754	MAA	SSRPAXX	VARIABLE	PATCH(CLOTH,FIBERGLASS),APPLY	
754	MAA	SSRVF01	207	VOID,FILL	131
754	MAA	MILLHXX	VARIABLE	HONEYCOMB(NEW),CUT TO FINISHED SIZE	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
754	MAA	MTLHCXX	VARIABLE	HONEYCOMB,CUT AT DAMAGED AREA=APPROX.SIZE	123
754	MHA	STPHCXX	VARIABLE	HOLE,COUNTERSINK IN PLASTIC	
754	MHA	STPHDXX	TABLE	HOLE,DRILL IN PLASTIC	
754	MAA	STPSR01	2450	SPOT(FIBERGLASS),REPAIR ONE SQUARE INCH	
763	MAO	SCLFRXX	VARIABLE	FINISH(FURNITURE),REMOVE FROM WOOD	
763	MAF	SNFGA01	544	GLUE,APPLY WITH BRUSH TO SURFACE	124
763	MAO	SSROFX	VARIABLE	DENT(FURNITURE),FILL IN WOOD SURFACE	
78X	MAP	SJPNT01	376	NEEDLE(HAND SEWING),THREAD	
78X	MAP	SJPTA01	45	THREAD,ALIGN AT SEWING MACHINE FOOT	
78X	MAP	MNFSS01	244	STITCH/TACK,SEW BY HAND	
78X	MAP	SSUBC01	250	BOBBIN(SEWING MACHINE),CHANGE	
78X	MAP	SSUBS01	509	BOBBIN,SET UP TO WIND	125
78X	MAP	SSUTC01	1118	THREAD,CHANGE IN SEWING MACHINE	
780	MAF	SCMP01	90	MATERIAL,PIN TO CHAIR OR OTHER MATERIAL	
780	MAF	MDAWS01	209	WEBBING,STRETCH INTO POSITION	
780	MAF	MNFCT01	323	CORD(UPHOLSTERING),TIE ON SPRING	
780	MAF	MNFMS01	256	MATERIAL,SEW BY HAND	126
780	MAF	MNFTD01	100	TACK,DRIVE IN PLACE	
780	MAF	MNFTRO1	124	TACKS,REMOVE	
780	MAF	MOHTP01	139	TACKS,PLACE IN MOUTH	
780	MAF	SOHBPO1	135	BATTING(COTTON),POSITION	
780	MAF	SOHBTO1	463	BATTING(COTTON),TEAR FROM ROLL	
780	MAF	SOHCFXX	VARIABLE	COVER(UPHOLSTERY),FIT UNDER ADJOINING SURFACE	127
780	MAF	SOHCS01	63	COVER OR MATERIAL(UPHOLSTERY),STRETCH TO FIT OR TACK	
780	MAF	SOHMF01	91	MATERIAL,FOLD	
780	MAF	MTLMCO1	33	MATERIAL,CUT WITH SHEARS(UPHOLSTERY)	
781	MAA	SFAPCXX	VARIABLE	PATCH(CLOTH),CUT AND TRIM	
781	MAF	MGMMO1	268	MARK(CHECK),MAKE ON FLOOR	128
781	TUW	MJPCRO1	150	CUTTER,REPOSITION FOR NEXT CUT(MACHINE)	
781	TUW	MLODC01	55	DOT,CIRCLE	
781	TUW	MLOPM01	13	PATTERN,MARK AROUND	
781	TUW	MLOPM02	47	POINTS(DOTS),MARK	
781	MAA	MTLCC01	613	CLOTH,CUT WITH SCISSORS	
781	MAA	MTLHP01	365	HOLE,PUNCH IN SOUND PROOFING BLANKET,HAND PUNCH	
781	MAA	MTLHP02	399	HOLE,PUNCH IN SOUND PROOFING BLANKET,KICK PRESS	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
781	TUM	MTLMCXX	VARIABLE	MATERIAL,CUT WITH MACHINE(PER INCH)	129
781	MAA	STLHPXX	VARIABLE	HOLE,PUNCH WITH WHEEL TYPE HARNESS PUNCH	
781	TUM	STPCA01	250	CLIP,ASSEMBLE TO STRAP	
782	MAP	MPKJBXX	VARIABLE	JACKET(DRESS),BUTTON	
782	MAP	MPKJF01	88	JACKET(FATIGUE),FASTEN WITH ZIPPER	
782	MAP	MPKJF02	39	JACKET(FATIGUE),FASTEN WITH SNAP(TWO PART)	
782	MAP	MPKOB01	53	OVERCOAT,BUTTON,PER BUTTON	
782	MAP	MPKOF01	517	OVERCOAT,FOLD	130
782	MAP	MPKOD01	179	OVERCOAT,OBTAIN AND SPREAD TO BUTTON	
782	MAP	MPKSBO1	61	SHIRT,BUTTON,PER BUTTON	
782	MAP	MPKSF01	245	SHIRT(OR DRESS JACKET),FOLD,BODY ONLY	
782	MAP	MPKSF02	182	SHIRT(OR DRESS JACKET),FOLD,SLEEVES ONLY	
782	MAP	MPKSF03	53	SHIRT(OR DRESS JACKET),FOLD IN HALF	
782	MAP	MPKS001	131	SHIRT(OR DRESS JACKET),OBTAIN AND SPREAD TO BUTTON	
782	MAP	MPKS001	15	SHIRT,UNBUTTON,PER BUTTON	
782	MAP	MPKTF01	171	TROUSERS,FOLD	131
782	MAP	MPKTP01	162	TROUSERS,PLACE FLAT ON TABLE FOR FOLDING	
782	MAP	SPKJB01	799	JACKET(DRESS),BUTTON AND FOLD	
782	MAP	SPKJF01	768	JACKET(FATIGUE),FASTEN AND FOLD	
782	MAP	SPKOB01	884	OVERCOAT,BUTTON AND FOLD	
782	MAP	SPKSBO1	824	SHIRT,BUTTON AND FOLD	
782	MAP	SPKTF01	363	TROUSERS,FOLD	
787	TUM	MOHMPXX	VARIABLE	MATERIAL,POSITION TO SEW	
787	MBW	MOHMP03	346	MATERIAL,POSITION TO SEW	
787	MBW	MOHMRXX	VARIABLE	MATERIAL,REPOSITION TO SEW	132
787	MAF	MOHMR04	65	MATERIAL(UPHOLSTERY),REMOVE FROM SEWING MACHINE	
787	TUM	MPTMSXX	VARIABLE	MATERIAL(CLOTH),SEW	
787	TUM	MPTSSXX	VARIABLE	SEAM,SEW WITH DOUBLE NEEDLE MACHINE	
787	TUM	MPTSWXX	VARIABLE	MATERIAL,SEW COUPLING SEAM	133
787	TUM	TPTRSXX	TABLE	REINFORCING,SEW TO SEAM	
787	TUM	SPTAS01	2245	ASSEMBLY(HARDWARE AND WEB STRAP),SEW TO MATERIAL	
787	TUM	SPTFA01	1859	FITTINGS,ASSEMBLE AND SEW TO WEB STRAPS	
787	TUM	SPTRS01	1095	ROPE ENDS,SEW	134
787	TUM	SPTSFO1	824	STRAP(UNATTACHED),FOLD AND SEW	
787	TUM	SPTSS01	859	STRAP(WEB),SEW TO MATERIAL	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
ELEMENT INDEX

OCCUP- ATION	QUALITY	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	PAGE
797	MAA	SSUMPO1	945	MACHINE(SEWING),PREPARE TO OPERATE	134
789	TUW	SOPSSO1	250	STRAP,SEAL ENDS	
789	TUW	SOHRAC1	910	ROPE,ATTACH TO GROMMETTED HOLE IN MATERIAL	135
789	MBW	SOHRMO1	905	ROPE ENDS,WRAP WITH TAPE AND CUT TO LENGTH	
789	MBW	STLRSO1	214	RIVET,SEAT	
794	MUL	MMTCSXX	VARIABLE	CARTON(FIBERBOARD),STITCH(MACHINE)	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
ADAPTER/PLUG,REMOVE	VARIABLE	7XX	SITACXX	13
ADAPTER AND PLUG,INSTALL	VARIABLE	7XX	SITACXX	13
ARMATURE,CHECK AND STRAIGHTEN	8160	721	SITAC02	98
ARMATURE,CHECK WITH GROWLER	685	721	SITAC01	97
ARMATURE,REPLACE	VARIABLE	721	SDAARXX	92
ASSEMBLY(HARDWARE AND WEB STRAP),SEW TO MATERIAL	2245	787	SPTAS01	133
ASSEMBLY(TERMINAL),REMOVE FROM CONNECTOR	114	72X	MDAAR01	45
BALANCE,GRIND	VARIABLE	705	STPBGXX	21
BALANCER(AUTOMATIC CYCLE GISHOLT MODEL S), CALIBRATE	3270	710	SITBC05	39
BALANCER(BEAR MODEL 400B2),CALIBRATE	9670	710	SITBC03	38
BALANCER(GISHOLT MODEL "S"),CALIBRATE	8960	710	SITBC01	36
BALANCER(GISHOLT MODEL 34V9107),CALIBRATE	1830	710	SITBC04	38
BALANCER(GISHOLT UJP),CALIBRATE	8920	710	SITBC02	37
BALANCER,SET UP,GISHOLT MODELS 34V9107,S,UJP AND BEAR 400B2	14420	710	SITBS01	39
BAND(LOCKING),INSTALL AND CRIMP,AIRCRAFT CABLE	2900	728	SNHB101	105
BAND(SEALING),CLEAN AND REMOVE FROM INSTRUMENT	VARIABLE	710	SDABCXX	30
BATTERIES,TEST AND REPLACE	10700	710	SITBT01	39
BATTING(COTTON),POSITION	135	780	SOHBP01	126
BATTING(COTTON),TEAR FROM ROLL	463	780	SOHBT01	126
BEARING(MOTOR),INSTALL	VARIABLE	721	SDABIXX	92
BEARING(SMALL MOTOR),CHECK FIT TO HOUSING(BOTH ENDS)	621	721	MITBC03	97
BEARING,PRESS OUT	1290	721	MDABP01	92
BEARING,PRESS OUT AND REMOVE SLINGER	1660	721	SDABP01	93
BEARING OR GEAR,INSTALL	VARIABLE	7XX	SDABIXX	1
BEARING OR GEAR,REMOVE	VARIABLE	7XX	SDABRXX	1
BEARINGS(MOTOR),CHECK FIT TO CAP AND HOUSING	VARIABLE	721	MITBCXX	97
BLADE,CHANGE	986	706	STLBC01	22
BLANKET(SOUND PROOFING),PREPARE TO SEW	1444	739	SJHBP01	114
BLIND(VENETIAN),CLOSE UP	1015	739	SOHBC01	115
BLIND(VENETIAN),DISASSEMBLE AND ASSEMBLE	VARIABLE	739	NCLBDXX	111
BLIND(VENETIAN),HANG IN SPRAY BOOTH OR ON DRYING RACK WITH SIX-INCH DIAMETER LOOPS	280	739	MOHBD01	114
BLIND(VENETIAN),REMOVE FROM SPRAY BOOTH	107	739	MOHBR01	115
BLIND(VENETIAN),SECURE FOR TRANSPORTING	998	739	SNFAS01	114
BLOCK("V"AND DIAL INDICATOR),ADJUST	195	721	MSUGA01	99



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
BOARD(PRINTED CIRCUIT), REMOVE FROM JIG AND INSTALL IN JIG	VARIABLE	72X	MVSBXX	75
BORBIN(SEWING MACHINE), CHANGE	250	78X	SSUBC01	124
BORBIN, SET UP TO WIND	509	78X	SSUBS01	125
BOLT(ARM), LOOSEN AND TIGHTEN	174	704	SSUBL01	18
BOTTLE(SQUEEZE), FILL	VARIABLE	754	SJPBFXX	118
BRIDGE(WHEATSTONE), SET UP AND DISMANTLE	810	72X	SITBS01	64
BRUSHES, EXAMINE	VARIABLE	721	SITBEXX	98
BRUSHES, REPLACE	TABLE	721	SOABRXX	93
BUTTON(JIFFY), INSTALL TO BLANKET	VARIABLE	739	SFABIXX	113
CABLE(AIRCRAFT CONTROL), PRESERVE	VARIABLE	709	MDPCPXX	22
CABLE(AIRCRAFT CONTROL), MEASURE AND CUT	VARIABLE	709	SGMCMXX	23
CABLE(AIRCRAFT CONTROL), TEST	VARIABLE	709	SITCTXX	23
CABLE(IRONING), CUT(PER CUT)	1004	728	SMHCC01	105
CABLE(COAXIAL), ASSEMBLE AND INSTALL TO PANEL MOUNTED TYPE RECEPTACLE	6046	72X	SDACA01	46
CABLE(COAXIAL), CONNECT ONE END TO THREADED FITTING	485	72X	SDACC01	46
CABLE(COAXIAL), CUT AND TERMINATE	2066	72X	SMHCC01	78
CABLE(COAXIAL), DISCONNECT/REMOVE FROM THREADED CONNECTOR/RECEPTACLE IN SET/UNIT	399	72X	SDACD03	46
CABLE(COAXIAL), DISCONNECT	61	72X	SDHCD01	71
CABLE(COAXIAL), INSTALL WITH THREADED CAP	2654	72X	SMHCI10	80
CABLE(COAXIAL), PREPARE TO MANUFACTURE AND TEST	1560	728	SJPCP01	102
CABLE(COAXIAL), REMOVE FROM CONNECTOR WITH THREADED CAP	929	72X	SMHCR05	81
CABLE(COAXIAL), STRIP INSULATION	VARIABLE	72X	SMHCSXX	81
CABLE(COAXIAL), TEST INSULATION(AFTER ASSEMBLY)	1050	728	MITCT01	101
CABLE(COAXIAL), TEST ON PANEL(FINAL)	1088	728	SITCT04	102
CABLE(ELECTRICAL), LAYOUT	VARIABLE	728	SJPCLXX	102
CABLE(ELECTRICAL), TWIST TEST PLUG ENDS	98	728	SITCT06	102
CABLE(ROUND OR SPLIT TYPE), INSTALL AND REMOVE IN/FROM FIXTURE	3600	728	SJPCI01	102
CABLE(SHIELDED/COAXIAL), INSTALL	11732	72X	SMHCI09	79
CABLE(SHIELDED/COAXIAL), REMOVE	5734	72X	SMHCR04	80
CABLE(TRIAxIAL), TEST AND CHECK	4978	728	SITCT02	101
CABLE, EXAMINE VISUALLY FOR DEFECTS/DAMAGE	VARIABLE	728	SITCEXX	101
CABLE, INSTALL AND REMOVE FROM TYING FIXTURE	VARIABLE	728	SMHCIXX	106
CABLE, LUBRICATE AND INSERT IN PLUG	569	72X	SDACL01	47



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	JWMSTOP ELEMENT	PAGE
CABLE,MANUFACTURE,CHECK CONTINUITY,PIN TO PIN	1410	728	SITCM01	101
CABLE,MANUFACTURE,INSTALL HEAT INSULATION,ONE INCH LONG	1060	728	SWHCM01	106
CABLE,MANUFACTURE,MARK SLEEVING,PER MARK	396	728	SIDCM01	100
CABLE,MANUFACTURE,REPLACE STAMPING BLOCK	1370	728	SSUCM02	104
CABLE,MANUFACTURE,REPLACE RIBBON IN CODING MACHINE	1690	728	SSUCM03	104
CABLE,MANUFACTURE,REPLACE WIRE SPOOL IN CODING MACHINE	1902	728	SSUCM04	104
CABLE,MANUFACTURE,SET UP STAMPING DIE	2330	728	MSUCM01	103
CABLE,MANUFACTURE,STRIP SHIELDED WIRE AND ATTACH JUMPER	2058	728	SWHCM03	106
CABLE,MANUFACTURE,TIE CABLE WITH PLASTIC STRAP,PER STRAP	810	728	SWHCM02	106
CABLE,MANUFACTURE,WARM UP CODING MACHINE	1514	728	MPTCM01	103
CABLE,STAMP AND APPLY LABEL	1200	728	SIDCS01	101
CABLE,TEST(PIN TO PIN=ONE PLUG)	1340	728	SITCT03	102
CABLE,TEST(PIN TO PIN=TWO PLUGS)	1150	728	SITCT05	102
CABLE,TEST AND EXAMINE	2440	728	SITCT01	101
CAP(CONNECTOR=THREADED),REMOVE AND INSTALL	714	72X	SDACR07	48
CAPACITOR(BUTTON TYPE),REPLACE(SOLDERED)	4695	72X	SDACR03	48
CAPACITOR/RESISTOR,REPLACE	VARIABLE	72X	SDACRXX	48
CAPACITOR,CALIBRATE	3910	72X	SITCC03	65
CAP AND HANDLE ASSEMBLY,REMOVE FROM CONNECTOR	85	72X	SDHCR03	71
CARBON PILE,REPLACE	5980	729	SDACR01	111
CARTON(FIBERBOARD),STITCH(MACHINE)	VARIABLE	794	MMTCSXX	135
CASE(INSTRUMENT),REPAIR	VARIABLE	710	SDACRXX	31
CHARACTER(S),STAMP IN METAL	VARIABLE	7XX	SIDCSXX	5
CHASSIS,REMOVE FROM CASE	VARIABLE	72X	SDHCRXX	71
CHASSIS,SLIDE FROM AND INTO CASE,ELECTRONICS ASSEMBLY	VARIABLE	72X	MDHCSXX	71
CHASSIS,TURN OVER(WITH CARE)	161	72X	MDHCT01	71
CHECK,MAKE WITH PORTABLE ELECTRICAL METER	VARIABLE	72X	SITCMXX	65
CIRCUIT(ELECTRON TUBE),SERVICE(MECHANICAL)	VARIABLE	72X	SDACSXX	49
CIRCUIT(PIECE),REMOVE FROM PRINTED CIRCUIT BOARD	VARIABLE	726	SDACRAX	99
CIRCUIT BOARD,SET UP AND TEST(DIT=M=CO)	VARIABLE	72X	SITTCXX	68
CLAMP(CABLE),INSTALL WITH LOCKNUT,SCREW/BOLT AND WASHER	VARIABLE	72X	SCPCIXX	44
CLAMP(CABLE),REPLACE WITH LOCKNUT,BOLT/SCREW AND WASHER	VARIABLE	72X	SCPCRXX	45



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	UNHSTDP ELEMENT	PAGE
CLAMP(CABLE),UNBOLT LOCKNUT,BOLT/SCREW AND WASHER	VARIABLE	72X	SCPCUXX	45
CLAMP(ELECTRON TUBE),LOOSEN AND TIGHTEN	VARIABLE	72X	MCPCLXX	44
CLAMP(HARNES),LOOSEN AND TIGHTEN	2297	72X	MWHCL01	75
CLAMP(MACHINE TABLE),LOOSEN AND TIGHTEN	483	704	SSUCL01	18
CLAMPS,REPLACE	6400	72X	SCPCRO5	45
CLEARANCE(DIAL INDICATOR),ADJUST	1364	710	SITCA01	39
CLIP(MOUNTING,TRANSISTOR),REMOVE	VARIABLE	72X	SDARCXX	57
CLIP,ASSEMBLE TO STRAP	250	781	STPCA01	129
CLIP OR SOCKET(MOUNTING-ELECTRONIC COMPONENT), DETACH(RIVETS)	VARIABLE	72X	SDACDXX	46
CLOTH(INNER LAYER),REPLACE	VARIABLE	754	SSRCRXX	121
CLOTH,CUT WITH SCISSORS	613	781	MTLCC01	128
COLLAR(THREADED METAL),INSTALL ON COAXIAL CABLE-UNRAVEL BRAIDED METAL SHIELD AND PRESS TO COLLAR	2738	728	SWHC104	106
COMMUTATOR(STATOR AND ARMATURE),CLEAN WITH ERASER AND AIR	VARIABLE	721	SCLSCXX	92
COMMUTATOR,POLISH AND CLEAN WITH CROCUS CLOTH	486	721	SCLCP01	92
COMPONENT(ELECTRONIC),REPLACE	VARIABLE	72X	SDAERXX	49
COMPONENT(ELECTRONIC),REPLACE	TABLE	72X	SDAREXX	58
COMPONENT(PANEL LIGHTS),TEST	720	72X	SITCT03	65
COMPONENT(PIGTAIL),INSTALL	4798	710	SDAC101	30
COMPONENT,CLEAN AND INSPECT	VARIABLE	7XX	SITCCXX	5
COMPONENT,CLEAN WITH BRUSH AND SOLVENT	VARIABLE	7XX	SCLCCXX	1
COMPONENT,DEMAGNETIZE	380	709	SOHCD01	28
COMPONENT,INSTALL AND REMOVE	TABLE	72X	SDAC1XX	47
COMPONENT,INSTALL WITH SOLDER	3480	72X	SDAC101	47
COMPONENT,INSTALL WITH SOLDER	7620	72X	SDAC102	47
COMPONENT,REPLACE	6851	72X	SDACRO4	48
COMPONENT,REPLACE	VARIABLE	72X	SWHCRXX	80
COMPONENT,TEST IN VACUUM CHAMBER	1636	710	SITCT01	40
COMPONENT,TEST WITH MEGGER	1470	72X	SITCT04	65
COMPOUND(POTTING),REMOVE	5237	72X	MTLCRO1	73
CONCENTRICITY(ARMATURE),CHECK WITH DIAL INDICATOR	VARIABLE	721	SITCCXX	98
CONDUIT(ELECTRICAL-ALUMINUM),MEASURE AND CUT	1690	728	MTPCM02	105
CONDUIT(ELECTRICAL-BRASS),MEASURE AND CUT	2490	728	MTPCM01	105
CONDUIT(ELECTRICAL-BRASS),DRESS AND FILE	3258	728	STPCD01	105



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTD ELEMENT	PAGE
CONDUIT, SOLDER	31460	728	SMTC501	103
CONDUIT, SOLDER FERRULES AND INSTALL NUTS	7298	728	SDA1501	100
CONDUIT, STRIP AND INSTALL NUTS	12030	728	SMTC501	107
CONNECTOR (CABLE), INSTALL AND REMOVE	VARIABLE	72X	SMTC1XX	79
CONNECTOR, DISCONNECT AND CONNECT	VARIABLE	72X	MDAC1XX	45
CONNECTOR END (THREADED), REMOVE FROM COAXIAL CABLE	853	72X	SDACR06	48
CONNECTOR END, INSTALL ON COAXIAL CABLE	VARIABLE	72X	MWMC1XX	75
CONNECTOR END, REPLACE ON COAXIAL CABLE	7648	72X	SDACR05	48
CONTACTS, CLEAN WITH BRUSH	1734	72X	SLCC01	43
CONTINUITY, CHECK	VARIABLE	72X	SITCCXX	64
CONTROLS, ADJUST	VARIABLE	72X	MITCAXX	64
CONTROLS, ADJUST-LOOSEN AND TIGHTEN LOCKNUT	325	72X	MITCA03	64
COPY (MASTER), SELECT FROM RACK ON WALL (PER LETTER)	55	704	MJPCS01	17
COPY (MASTER), SELECT FROM WORK BENCH (PER LETTER)	26	704	MJPCS02	17
CORD (BLIND, VENETIAN), THREAD THRU OPENING IN SLATS	102	739	MDACT01	112
CORD (PULL AND TILTING), INSTALL IN VENETIAN BLIND	1574	739	SDAC101	112
CORD (UPHOLSTERING), TIE ON SPRING	323	780	MNFCT01	125
CORD (VENETIAN BLIND, PULL AND TILTING), MEASURE AND CUT	1951	739	SGMCM01	114
CORD (VENETIAN BLIND, RAISING), INSTALL	592	739	MDAC101	111
CORD/BELT/STRAP, DIP IN WAX	VARIABLE	739	SDPCDXX	112
COUPLER/GEAR/SLEEVE OR COLLAR, REMOVE AND INSTALL WITH PIN OR CLAMP AND SET SCREW	VARIABLE	7XX	SDACRXX	2
COVER (BOX TYPE), PLACE ON UNIT	TABLE	7XX	SOHCPXX	10
COVER (BOX TYPE), REMOVE FROM UNIT	TABLE	7XX	SOHCRXX	10
COVER (HINGED-PIN TYPE), INSTALL AND CLOSE	255	7XX	MOHC101	8
COVER (HINGED), CLOSE	VARIABLE	7XX	MOHCCXX	3
COVER (MOTOR), INSTALL	VARIABLE	721	SDAC1XX	93
COVER (MOTOR END), REMOVE	2190	721	MDACR01	92
COVER (PROTECTIVE-CLAMP ON TYPE), INSTALL ON PART	95	7XX	MNFC101	7
COVER (PROTECTIVE-CLAMP ON TYPE), REMOVE FROM PART	78	7XX	MNFCR01	8
COVER (PROTECTIVE-EXPANDABLE BAND TYPE), INSTALL ON PART	116	7XX	MNFC102	8
COVER (TUBE TYPE OSCILLOSCOPE), TAKE OFF AND PUT ON	4679	726	SDACT01	100



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTDP ELEMENT	PAGE
COVER (UPHOLSTERY), FIT UNDER ADJOINING SURFACE	VARIABLE	780	SOHCFXX	127
COVER (WRAP AROUND OR CAP SHAPED), PLACE ON UNIT	VARIABLE	7XX	MOHCPXX	9
COVER (WRAP AROUND OR CAP SHAPED), REMOVE FROM UNIT/ITEM	VARIABLE	7XX	MOHCRXX	9
COVER/PANEL (ACCESS), INSTALL AND REMOVE	VARIABLE	7XX	SDACIXX	1
COVER, OPEN	VARIABLE	7XX	MOHCOXX	8
COVER OR MATERIAL (UPHOLSTERY), STRETCH TO FIT OR TACK	63	780	SOHCS01	127
COVERS (GYRO-OUTER), REMOVE	351	710	SOHCR01	43
CUP (RESIN MIXING), CLEAN	1026	754	SCLCC01	117
CUPS (TERMINAL-GYRO MOTOR), REMOVE	383	710	SDACR06	3
CURRENT, TEST FOR INSTRUMENT CALIBRATION	VARIABLE	72X	SITCTXX	65
CUTTER, REPOSITION FOR NEXT CUT (MACHINE)	150	781	MJPCR01	128
DENT (FURNITURE), FILL IN WOOD SURFACE	VARIABLE	763	SSRDFXX	124
DEVICE, TEST FREQUENCY, PHASE OR MODULATION WITH OSCILLOSCOPE	2200	72X	SITOT03	66
DEVICE, TEST WITH SIMPSON 2600 CONSOLE	850	72X	SITDT01	65
DEVICE, TEST WITH 691/U CONSOLE TEST SET	2420	72X	SITDT02	66
DIAL (INDICATOR), SET UP AND DISMANTLE TO/FROM V BLOCK	637	721	SSUDS01	99
DIAL (PRESSURE GAUGE), REMOVE AND REPLACE	4006	710	SDADR01	31
DIE (STAMPING), SET UP	3660	728	SSUDS01	104
DISTORTION, DETERMINE	3620	726	SITOD01	100
DOT, CIRCLE	55	781	MLODC01	128
DRILL (PORTABLE), PREPARE TO USE	451	7XX	SJPOP01	6
DRILL (PORTABLE-MAGNETIC BASE), SET UP	1199	7XX	SJPDS01	6
DRILL, LUBRICATE TO DRILL PLASTIC	VARIABLE	754	SLUDLXX	120
DRIVE (MECHANICAL-RECORDER SPEED), SET OR RESET	51	720	SACDS01	91
DYE PENETRANT, INSPECT, METAL SURFACE, PER 12 SQUARE INCHES	VARIABLE	709	SITDIXX	24
EDGE, FILE	TABLE	705	TITLEFXX	20
EDGE, GRIND TO BURR (MACHINE)	VARIABLE	705	MTPEGXX	21
END PLAY (ARMATURE), CHECK	6310	721	SITEC01	98
EYE LOUPE (FRAME/EYE HELD), PREPARE TO USE	VARIABLE	7XX	MJPEPXX	6
FASTENER (BUTTON AND SOCKET OR STUD AND EYELET), INSTALL	810	739	SFAFI01	113
FASTENER (CLECO), INSTALL (TEMPORARY)	VARIABLE	70X	SCPFIXX	16
FASTENER (CLECO), REMOVE	VARIABLE	70X	SCPFRXX	16
FASTENER (SNAP OR GRIDMET), PREPARE TO INSTALL	1043	739	SJPEP01	114



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTD ELEMENT	PAGE
PERRULF (ON CONDUIT), REAM BY HAND	2450	728	SILFR01	104
PERRULF ASS (MINIFY CONN-DAMAGED), EXAMINE, (FOUND AND MARK	2760	754	MITFR01	118
FIBERGLASS, REPAIR	VARIABLE	754	SSRFRXX	121
FILE, USE TO REMOVE MATERIAL	TABLE	705	TTLFUXX	21
FILLER (SOUND PROOFING BLANKET), PLACE IN WRAP	VARIABLE	739	SFAFPXX	113
FILTER OR COIL, REPLACE	VARIABLE	72X	SDAFRXX	49
FINISH (FURNITURE), REMOVE FROM WOOD	VARIABLE	763	SCLFRXX	123
FITTING (AIRCRAFT CONTROL CABLE), CLEAN	450	709	SCLFC01	22
FITTING (AIRCRAFT CONTROL CABLE), SALVAGE	3000	709	STLFS01	29
FITTINGS, ASSEMBLE AND SEW TO WEB STRAPS	1859	787	SPTFA01	133
FREQUENCY, DETERMINE	VARIABLE	72X	SITFOX	66
FREQUENCY, TEST	980	72X	SITFT01	66
FUSE, REPLACE	329	72X	SNFFR01	70
GAUGE (PRESSURE), CALIBRATE AND ADJUST	14725	710	KITGC01	42
GAUGE/METER, READ	VARIABLE	7XX	MITGRXX	5
GEAR (SINGLE OR TRAIN), TURN TO POSITION, BY HAND	VARIABLE	7XX	SUHGTX	11
GEAR (WORM), REAM AND INSTALL	VARIABLE	70X	SDAGRXX	17
GEAR MESH, ADJUST	4180	710	SITGA01	40
GEAR TRAIN (SYNCHRO), REPLACE	13500	721	SDAGR01	93
GENERATOR (RADIO FREQUENCY), ADJUST	1710	72X	MITGA01	64
GENERATOR (RADIO FREQUENCY), ADJUST	1710	72X	SITGA01	66
GIB (PANTOGRAPH MACHINE), REMOVE AND INSERT FROM HOLDING TABLE (PER GIB)	86	704	SSUGR01	18
GLAZE, APPLY TO SURFACE WITH BRUSH	VARIABLE	754	SPAGAX	120
GLUE, APPLY WITH BRUSH TO SURFACE	544	763	SNFGA01	124
GLYPTAL/DOPE, APPLY TO SCREW OR NUT	VARIABLE	7XX	MPAGAX	11
GROMMET (RUBBER), REMOVE FROM BODY OF CONNECTOR ASSEMBLY	111	72X	MTLGR01	73
GROMMET, INSTALL, USING GUIDE WIRE AND ARBOR PRESS	VARIABLE	72X	SDAGIXX	50
GROMMET, INSTALL IN SOUND PROOFING BLANKET	981	730	SPAGI01	116
GUARD (GYRI HEADER PIN), REMOVE	1044	710	SDAGR01	91
GUIDE (DRILL), SET UP AND ASIDE	VARIABLE	754	SJPS01	110
GUN (SPRAY), PREPARE AND FILL	760	754	SJPS01	110
HARNESS (ELECTRICAL), UNWRAP TAPE	VARIABLE	72X	SWHFRXX	61
HARNESS (ELECTRICAL), WRAP WITH TAPE	VARIABLE	72X	SWHFRXX	61
HEAT LAMP (FIBERGLASS REPAIR), SET UP TO HEAT CURE	465	754	SJPS01	110



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
HI-POT CHECK,MAKE	VARIABLE	72X	SITHMXX	67
HOLDER(FUSE),REPLACE	VARIABLE	72X	SDAHRXX	50
HOLE,BURR	VARIABLE	705	MTLHBXX	20
HOLE,COUNTERBORE IN ALUMINUM	TABLE	7XX	STPHCXX	14
HOLE,COUNTERSINK IN PLASTIC	VARIABLE	754	STPHCXX	123
HOLE,DRILL IN ALUMINUM(HAND DRILL POWERED)	VARIABLE	7XX	STPHDXX	15
HOLE,DRILL IN PLASTIC	TABLE	754	STPHDXX	123
HOLE,DRILL IN STEEL(HAND DRILL-POWERED)	TABLE	7XX	STPHDXX	14
HOLE,PUNCH IN SOUND PROOFING BLANKET,HAND PUNCH	365	781	MTLHP01	128
HOLE,PUNCH IN SOUND PROOFING BLANKET,KICK PRESS	399	781	MTLHP02	128
HOLE,PUNCH WITH HAMMER AND HOLLOW POINT PUNCH	VARIABLE	7XX	STLHPXX	13
HOLE,PUNCH WITH WHEEL TYPE HARNESS PUNCH	VARIABLE	781	STLHPXX	129
HOLE,SLOT WITH FILE	VARIABLE	705	STLHSXX	21
HOLE,TAP	VARIABLE	709	STLHTXX	29
HOLES,CUT IN RUBBER SEAL WITH DRILL	VARIABLE	75X	STPHCXX	117
HONEYCOMB(FIBERGLASS),PREFORM	2260	754	SSRHP01	121
HONEYCOMB(FIBERGLASS),REPLACE	VARIABLE	754	SSRHRXX	121
HONEYCOMB(NEW),CUT TO FINISHED SIZE	VARIABLE	754	MTLCHXX	122
HONEYCOMB,CUT AT DAMAGED AREA-APPROX. SIZE	VARIABLE	754	MTLHCXX	123
HONEYCOMB,LAYOUT AND PREPARE TO REPAIR	8186	754	SJPHL01	119
HOUSING(GYRO MOTOR),UNSEAL,TIN MATING EDGES	3768	710	SDAHU01	32
HOUSING(GYRO MOTOR-MEDIUM),UNSEAL	6976	710	SDAHU02	32
HOUSING AND CAPILARGE GYRO MOTOR),TIN MATING EDGES	2687	710	SDAHT01	31
INSPECTION(MAGNAGLO),PREPARE TO PERFORM	165	709	MJPIPO1	27
INSTRUMENT,SEAL WITH SOLDERING IRON	VARIABLE	710	SDAISXX	32
INSTRUMENT,TEST(PURGE AND GAS FILL)	2160	710	MITIT04	35
INSTRUMENT,TEST(REPAIR ONE LEAK)PER LEAK	1340	710	MITIT03	35
INSTRUMENT,TEST(SEAL FILL TUBE)	1550	710	MITIT05	35
INSTRUMENT,TEST(SEAL WITH SOLDERED PLUG)	2750	710	MITIT06	35
INSTRUMENT,TEST(SET UP FOR LEAK TEST)BENCH	1370	710	MITIT01	35
INSTRUMENT,TEST FOR LEAKS	1370	710	MITIT02	35
INSTRUMENT,UNSEAL WITH INDUCTION HEATER	22470	710	SDAIU04	32
INSTRUMENT,UNSEAL WITH IRON	VARIABLE	710	SDAIUXX	32
INSULATION(SPAGHETTI),INSTALL ON WIRE(S)	VARIABLE	72X	MWHIIXX	75
INSULATION(WIRE),REMOVE	VARIABLE	72X	SMHIRXX	82



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
INSULATION/HI-POT(WIRE), TEST	VARIABLE	72X	SITITXX	67
INSULATION, CHECK WITH PORTABLE TESTER AND VARIAC	813	72X	SITIC01	67
INSULATION, STRIP	VARIABLE	72X	SWHISXX	62
JACK/TEST POINT (PANEL MOUNTED), REPLACE	VARIABLE	72X	SDAJRXX	50
JACKET(DRESS), BUTTON	VARIABLE	782	MPKJBXX	129
JACKET(DRESS), BUTTON AND FOLD	799	782	SPKJB01	131
JACKET(FATIGUE), FASTEN AND FOLD	768	782	SPKJF01	131
JACKET(FATIGUE), FASTEN WITH ZIPPER	88	782	MPKJF01	129
JACKET(FATIGUE), FASTEN WITH SNAP(TWO PART)	39	782	MPKJF02	129
KNOB/PULLINTER, INSTALL WITH NORMAL ACCESS(HAND OR TOOL)	VARIABLE	7XX	SDAKIXX	2
KNOB/PULLINTER, REMOVE(HAND OR TOOL)	VARIABLE	7XX	SDAKRXX	3
LABEL, PREPARE AND ATTACH TO CABLE	7760	728	SIDLPO1	101
LAMINATE(CLOTH), LAYOUT AND PREPARE TO REPAIR	VARIABLE	754	SJPLLXX	119
LAMP(PILOT), REPLACE	920	72X	SDALR01	50
LEAD(AND SOCKET, ELECTRON TUBE), REPLACE	TABLE	72X	SDARLXX	53
LEAD(AXIAL), UNSOLDER, SOLDER, TAG, UNTAG	3967	72X	SWHLU01	84
LEAD(GROUND)OR TAB, SOLDER OR UNSOLDER	95	7XX	MPTLS01	11
LEAD(STRANDED), RELOCATE	7712	72X	SWHLR05	84
LEAD(WIRE), CLEAN AND PREPARE END FOR REINSTALLATION(STRANDED WIRE)	VARIABLE	72X	SWHLCXX	93
LEAD(WIRE), REMOVE/INSTALL TO BINDING POST	VARIABLE	72X	MWHLRXX	76
LEAD, REMOVE AND INSTALL, VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS	TABLE	72X	SWHLRXX	96
LEAD, REMOVE FROM PRINTED CIRCUIT BOARD	1750	72X	SWHLR06	94
LEAD, REMOVE FROM TERMINAL	VARIABLE	72X	SWHLRXX	84
LEAD, SOLDER ON PRINTED CIRCUIT BOARD	11890	72X	SWHLS01	84
LENS(GAUGE), REPLACE IN GAUGE	1876	710	SDALR01	32
LETTER(ENGRAVED), FILL WITH ENGRAVERS CRAYON	VARIABLE	704	MPALFXX	18
LETTER(STENCIL), PAINT WITH BRUSH	VARIABLE	740	MPALPXX	117
LETTER, ENGRAVE(PANTOGRAPH), IN METAL, BAKELITE OR PLASTIC	VARIABLE	704	MTPLEXX	19
LETTERS(SET-METAL STENCIL), PUT IN CASE	151	74X	MOHLPO1	116
LOOP, FURN OR OPEN WITH PLIERS	VARIABLE	72X	MWHLFXX	7
LUBRICANT, APPLY TO GASKET/O-RING	VARIABLE	7XX	SLULAXX	7
LUBRICANT, APPLY TO SPOT WITH HYPODERMIC SYRINGE	243	7XX	SLULA05	7
LUG(TERMINAL), CRIMP TO WIRE END	352	72X	MWHLCO1	75



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTDP ELEMENT	PAGE
LUG, ATTACH TO CONTACT WITH SCREW	175	72X	MWHLA01	75
LUG, ATTACH WIRE AND INSTALL	VARIABLE	72X	SMHLAXX	83
LUG, IDENTIFY WITH SLEEVE MARKER	122	72X	SIDLIO1	63
MACHINE(CABLE CODING), SET UP	2360	728	SSUMS01	104
MACHINE(SEWING), PREPARE TO OPERATE	945	787	SSUMP01	134
MAGNET(ARMATURE), CHARGE	6440	721	SITMC01	98
MAGNET(ARMATURE), DEMAGNETIZE	6090	721	SITMD01	99
MARK(CHECK), MAKE ON FLOOR	268	781	MGMHMO1	128
MATERIAL(CLOTH), SEW	VARIABLE	787	MPTMSXX	132
MATERIAL(SOUND PROOFING BLANKET), SEW	VARIABLE	739	SPTMSXX	116
MATERIAL(UPHOLSTERY), REMOVE FROM SEWING MACHINE	65	787	MOHMR04	132
MATERIAL, BOND WITH VACUUM PRESSURE AND HEAT LAMPS	30200	754	SFAMBO1	118
MATERIAL, COUNTERSINK(MICRO)	TABLE	7XX	STPMCXX	16
MATERIAL, CUT WITH MACHINE(PER INCH)	VARIABLE	781	MTLMCXX	129
MATERIAL, CUT WITH SHEARS(UPHOLSTERY)	33	780	MTLMCO1	127
MATERIAL, FOLD	91	780	SOHMF01	127
MATERIAL, PIN TO CHAIR OR OTHER MATERIAL	90	780	SCPMP01	125
MATERIAL, POSITION TO SEW	VARIABLE	787	MOHMPXX	131
MATERIAL, POSITION TO SEW	346	787	MOHMP03	131
MATERIAL, REPOSITION TO SEW	VARIABLE	787	MOHMRXX	132
MATERIAL, SEW BY HAND	256	780	MNFMS01	126
MATERIAL, SEW COUPLING SEAM	VARIABLE	787	MPTSWXX	133
METER(ELECTRICAL-OHM, VOLT, ETC.), SET UP AND DISMANTLE	772	72X	SJPMS01	70
METER(TEST), SET UP AND DISMANTLE	334	72X	SJPMS02	70
METER, ADJUST	29620	710	SITMA01	40
METER, REPLACE	VARIABLE	72X	SDAMRXX	51
METER AND MEGGER, SET UP AND TAKE DOWN	1254	72X	SJPMS04	70
MOTOR(AIR), PREPARE FOR USE, ASIDE	VARIABLE	7XX	SJPMPXX	7
MOTOR(ELECTRIC), MOUNT AND HOOK UP	VARIABLE	721	SDAMHXX	94
MOTOR(ELECTRIC), TEST	VARIABLE	721	SITMTXX	99
MOTOR(GENERATOR), REPAIR(DISASSEMBLE, CLEAN, EXAMINE, AND ASSEMBLE)	22090	721	SDAMR04	95
MOTOR(GENERATOR), REPLACE	37140	721	SDAMR05	96
MOTOR(GYRD-LARGE), UNSEAL	14270	710	SDAMU01	33
MOTOR(GYRD-MEDIUM), UNSEAL AND SEPARATE INTO SUB-ASSEMBLIES	14677	710	SDAMU02	33



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
MOTOR(OR MOTOR GENERATOR),REPLACE TO GEAR PLATE	9160	721	SDAMRQ1	94
MOTOR(RESOLVER),DISASSEMBLE	8360	721	SDAMQ03	94
MOTOR,DISASSEMBLE(THREE SCREWS AND COVER)	4236	721	SDAMD02	94
MOTOR,DISASSEMBLE(THU-ARC RING)	1796	721	SDAMD01	94
MOTOR,REPAIR	10960	721	SDAMR02	95
MOTOR,REPLACE	24560	721	SDAMR03	95
MOUNT(SHOCK),INSTALL	1490	7XX	SDAMI01	3
MOUNT(SHOCK),REMOVE	1170	7XX	SDAMR01	3
MOUNT(SINGLE STUD),GET,PREPARE AND FIT TO CHASSIS	VARIABLE	72X	SDAMGXX	51
MULTI-METER,SET UP AND ASIDE(TO PERFORM CONTINUITY OR RESISTANCE CHECK)	1810	72X	SJPM503	70
NEEDLE(HAND SEWING),THREAD	376	78X	SJPNT01	124
NUT(GYRO MOTOR),UNSEAL	VARIABLE	710	SUANUXX	33
NUT(PLASTIC WIRE SPLICER),INSTALL	142	72X	MWHNI01	76
OBJECT(LAMINATED),REPAIR	VARIABLE	754	SSRORXX	122
OBJECT(LAMINATED),REPAIR(FILL VOID)	5200	754	SSROR10	122
OBJECT,BUFF WITH WIRE WHEEL	VARIABLE	705	SCL084X	19
OBJECT,DEMAGNETIZE WITH COIL	VARIABLE	709	MITUDXX	23
OBJECT,DISENGAGE	VARIABLE	7XX	MOHODXX	9
OBJECT,INSPECT WITH BLACK LIGHT	VARIABLE	709	SITU1XX	25
OBJECT,MAGNETIZE FOR MAGNAGLO INSPECTION	VARIABLE	709	MITUMXX	23
OBJECT,RELEASE FROM STRAP VISE(HYDRAULIC)	VARIABLE	7XX	MVSUPXX	16
OBJECT,SECURE IN STRAP VISE(HYDRAULIC OPERATE)	VARIABLE	7XX	MVSOSXX	16
OIL(LIGHT),APPLY WITH SYRINGE	VARIABLE	7XX	SLUDAXX	7
OUTPUT(POWER),TEST	1230	72X	SITOT01	67
OVERCOAT,BUTTON,PER BUTTON	53	782	MPKQB01	129
OVERCOAT,BUTTON AND FOLD	884	782	SPADB01	131
OVERCOAT,FOLD	517	782	MPKUF01	131
OVERCOAT,OBTAIIN AND SPREAD TO BUTTON	179	782	MPKDU01	131
PAINT(EXCESS),WIPE OFF AFTER STAMPING AND PAINT APPLIED	265	740	MCLPW01	115
PAINT,APPLY TO FILL METAL STAMPING	356	740	MP4PA01	117
PART(AXIAL LEAD),INSTALL ON PIN POST OR EYELET TERMINAL	VARIABLE	72X	SWHPIAX	85
PART(AXIAL LEAD),MOUNT IN/REMOVE FROM CLIP HOLDER	VARIABLE	72X	SDAPMXX	55
PART(AXIAL LEAD),REMOVE FROM PIN/POST OR EYE- LET TERMINAL	VARIABLE	72X	SWHPRXX	85



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
PART(AXIAL LEAD),REPLACE ON PIN/POST TERMINAL OR EYELET TYPE TERMINAL	VARIABLE	72X	SWHRPXX	87
PART(ELECTRONIC),REPLACE	TABLE	72X	SDAPIXX	54
PART(ENGINE),INSPECT(ZYGLO)	TABLE	709	SITPIXX	26
PART(MATING),REMOVE	60	72X	SNFMRQ1	71
PART(MATING),REMOVE AND INSTALL	VARIABLE	7XX	SUHPRXX	11
PART(PLUG IN),ENGAGE BY HAND	VARIABLE	72X	SDAPEXX	52
PART(PLUG IN TYPE),REMOVE	VARIABLE	72X	SDARPXX	59
PART(SINGLE ALIGN),REMOVE PART OUT OF HOLE OR OFF STUD	83	7XX	SUHPKJ5	11
PART(SINGLE AND MULTI-ALIGN),FIT TO CHASSIS	VARIABLE	72X	SDAPFXX	53
PART(SMALL),INSTALL AND POSITION WITH TWEEZERS	144	7XX	SDAPI01	4
PART(THREADED),REPLACE BY HAND(UNPACK NEW PART)	375	7XX	SIFPRO1	12
PART(THREADED),REPLACE BY HAND	235	7XX	STFPRO2	13
PART(THREADED-STAKED),REMOVE	587	7XX	SDAPRO3	4
PART(VERY LARGE),DIP AND SPRAY WITH ZYGLO SOLUTION	736	709	SITPD01	25
PART(VERY SMALL),INSPECT WITH MAGNAFLUX MACHINE	420	709	SITIPQ6	24
PART,INSPECT(ZYGLO)	VARIABLE	709	SITIZXX	25
PART,INSPECT BY MAGNAGLO PROCESS	VARIABLE	709	SITIPXX	24
PART,MAGNAFLUX	TABLE	709	SITPMXX	26
PART,PLACE IN HOLE	VARIABLE	7XX	MUHPXX	10
PART,PLUG IN BY HAND	VARIABLE	72X	MUHPXX	71
PART,PREPARE FOR MOUNTING	VARIABLE	7XX	MTEPPXX	12
PART,PREPARE TO DRILL AND REAM COUPLER,GEAR HUB,SLEEVE OR COLLAR	5608	709	SDAPP01	22
PART,REPLACE	VARIABLE	72X	SDAPRXX	56
PART OR MODULE,REPLACE	2790	7XX	SDAPRO1	4
PARTS(AVIONIC CABLE),VERIFY AND EXAMINE	440	728	SJPPV01	103
PARTS(VENETIAN BLINDS),OBTAIN,MOVE TO TABLE	988	739	SDHPG01	115
PARTS,INSPECT WITH BLACK LIGHT(ZYGLO)	8035	709	SITPZ01	27
PARTS,PRY APART WITH HAMMER AND CHISEL	144	7XX	STLPP01	13
PATCH(CLOTH),CUT AND TRIM	VARIABLE	781	SAPCXX	127
PATCH(CLOTH,FIBERGLASS),APPLY	VARIABLE	754	SSRPXX	122
PATTERN,MARK AROUND	13	781	MUPM01	128
PIGTAIL(GROUND LEAD),ATTACH TO CABLE SHIELD	3123	72X	SHI PAQ1	55
PIGTAIL(METAL SHIELD),FORM	1190	72X	SWHPF01	85



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
PIN(ELECTRICAL PLUG),REPLACE	3550	72X	STLPR01	74
PIN(WITH WIRE),INSTALL IN CONNECTOR	660	72X	MWHPI01	76
PIN,BEND WITH PLIERS	VARIABLE	7XX	MNFPBXX	8
PIN,INSTALL ON WIRE WITH CRIMPER	815	72X	MTLWI01	74
PIN,REPLACE AND REINSTALL	VARIABLE	72X	STLPRXX	74
PINS(TUBE),STRAIGHTEN,USING PIN STRAIGHTENER	85	72X	MTLPS01	73
PINS,INSTALL	609	706	SNFPI01	22
PIVOTS(JEWEL),ADJUST	3700	710	SITPA01	40
PLATE(COVER),REPLACE	208	7XX	MTLPR01	13
PLATE(FLAT ACCESS COVER),INSTALL AND REMOVE	VARIABLE	7XX	MDHPIXX	10
PLAY,TEST WITH SHEFIELD END PLAY TESTER	1202	710	SITPT01	40
PLUG(AC/DC WITH CLAMP AND GROUND),REPLACE ON CABLE	6136	72X	SWHPR05	86
PLUG(BANANA TYPE),INSTALL AND REMOVE	963	72X	SWHPI03	85
PLUG(BUTTON),REMOVE	153	7XX	SDAPR02	4
PLUG(BUTTON)AND GASKET,INSTALL	179	7XX	SDAPI02	4
PLUG(CABLE),MOLD	VARIABLE	728	SWHPMXX	107
PLUG(CABLE),REMOVE FROM MULD	7380	728	SWHPK01	107
PLUG(CANNON),CONNECT	645	7XX	SDAPC01	3
PLUG(CANNON),DISCONNECT	564	7XX	SDAPD01	3
PLUG(JONES),CONNECT	989	7XX	SDAPC02	3
PLUG(JONES),DISCONNECT	901	7XX	SDAPD02	3
PLUG(MULTI-PIN OR RIBBON-RECTANGULAR SHAPED), DISASSEMBLE AND ASSEMBLE(CABLE MOUNTED)	3712	72X	SDAPD04	52
PLUG(ONE SOLDERED PIN),DISASSEMBLE AND ASSEMBLE	VARIABLE	72X	SDAPDXX	52
PLUG(PULSE CABLE),DISCONNECT	420	7XX	SDAPD03	4
PLUG(SEALING),POSITION AND SOLDER TO INSTRUMENT	1900	710	SDAPP01	33
PLUG(SEALING),REMOVE FROM INSTRUMENT	1950	710	SDAPR02	34
PLUG/CABLE(MOUNTED),DISASSEMBLE/ASSEMBLE	VARIABLE	72X	SDAPAXX	51
PLUG,DISASSEMBLE AND ASSEMBLE	5105	72X	SDAPD03	52
PLUG,LOCATE,CONNECT AND REMOVE	VARIABLE	72X	SDAPLXX	55
PLUG,REASSEMBLE TO CABLE(WITH SLEEVE)	1057	72X	SDAPR14	57
POINT(ON CHASSIS OR TERMINAL BOARD),LOCATE/ FIND	91	7XX	MIDPL01	4
POINT,LOCATE ON CHASSIS OR TERMINAL BOARD	141	7XX	MIDPL02	4
POINTER(GAUGE OR INSTRUMENT),REPLACE	1856	710	SDAPK01	34
POINTER(PRESSURE GAUGE),INSTALL	375	710	SDAPI01	33



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWSTDP ELEMENT	PAGE
POINTS(POOTS), MARK	47	781	MLOPM02	128
POTENTIOMETER(STUD MOUNTED), REPLACE	16389	72X	SDAPR13	57
POTENTIOMETER, REPLACE	29800	72X	SDAPR12	56
POTENTIOMETER OR TRIMMER, ADJUST	1260	72X	NITPA01	64
POTENTIOMETER OR TRIMMER, ADJUST	1680	72X	SITPA01	67
PROOFLOADER(AIRCRAFT CONTROL CABLE), SET UP AND INSTALL EXTENSION CABLE	VARIABLE	709	SSUPSXX	28
PROTECTORS(VISE JAW), PLACE	143	7XX	MJPPP01	6
RAIL(VENETIAN BLIND-BOTTOM), PLACE ON FOLDED TAPES(ON HEAD RAIL)	50	739	MOHRP01	115
RAIL(VENETIAN BLIND, TILT), ATTACH TO HEAD RAIL	165	739	SDARA01	112
RAIL(VENETIAN BLIND, TILTING), DETACH AND POSITION TO RECEIVE TAPES	227	739	SDARD01	112
RANGE(METER), CHANGE AND ADJUST ZERO KNOBS	171	72X	SITRC01	67
REAMER(HAND), USE, PER 1/4 INCH DEPTH OF HOLE	VARIABLE	709	MTLRUXX	29
RECEPTACLE(COAXIAL), REPLACE ON PANEL	VARIABLE	72X	SDARRXX	59
RECEPTACLE(PANEL MOUNT TYPE), REMOVE FROM COAXIAL CABLE	995	72X	SDARR09	59
RECTIFIER(CRYSTAL), REPLACE(PLUG IN TYPE)	630	72X	SDARR10	60
REGULATION, TEST	2550	72X	SITRT01	68
REINFORCING, SEW TO SEAM	TABLE	787	TPTRSXX	133
RELAY(WIRED), REPLACE	VARIABLE	72X	SDARDXX	57
RESIN, APPLY TO DAMAGED AREA	VARIABLE	754	SPARAXX	120
RESIN, MIX	1211	754	SJPRM01	120
RESIN, THIN WITH ACETONE FOR GLAZE MIXTURE	199	754	SJPR01	120
RESISTANCE, OBTAIN VALUE WITH WHEATSTONE BRIDGE	VARIABLE	72X	SITROXX	67
RESISTANCE, TEST	VARIABLE	710	SITRTXX	41
PIVET, REMOVE WITH DRILL, HAMMER AND PUNCH	VARIABLE	709	SNFRRXX	28
PIVET, SEAT	214	789	STLRS01	135
RIVETS, INSTALL WITH HAMMER AND PUNCH	314	709	SNFRI01	27
ROPE, ATTACH TO GROMMETTED HOLE IN MATERIAL	910	789	SUHRA01	135
ROPE ENDS, SEW	1095	787	SPTRS01	134
ROPE ENDS, WRAP WITH TAPE AND CUT TO LENGTH	905	789	SOHRM01	135
ROUTER, BALANCE(STATIC)	24780	710	SITRB01	40
SCREW(CAPTIVE), BACK OUT AND RESEAT	950	72X	STFSB01	72
SCREW(THUMB), LOOSEN OR TIGHTEN, ON GIB	1	704	STFSL01	19
SEAM, SEW WITH DOUBLE NEEDLE MACHINE	VARIABLE	787	MTTSSXX	132
SEATING(THROSH), INSPECT AND TEST	VARIABLE	721	SITSIXX	99



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
SEMI-CONDUCTOR, INSTALL WITH SOLDER	VARIABLE	72X	SDASIXX	61
SHAVINGS, CLEAN FROM ONE LETTER WITH SCRIBE (PLASTIC MATERIAL)	57	704	MCLSC01	17
SHIELD(CABLE-BRAIDED METAL), UNRAVEL	2694	72X	SWHSU01	88
SHIELD(METAL), PREPARE ON STRANDED WIRE FOR GROUND	873	72X	MWHSPO1	76
SHIELD(TUBE), SNAP ON AND OFF	VARIABLE	72X	SDASSXX	61
SHIM, REPLACE ON ARMATURE	VARIABLE	721	SDASRXx	97
SHIRT (OR DRESS JACKET), FOLD, BODY ONLY	245	782	MPKSF01	130
SHIRT (OR DRESS JACKET), FOLD, SLEEVES ONLY	182	782	MPKSF02	130
SHIRT (OR DRESS JACKET), FOLD IN HALF	53	782	MPKSF03	130
SHIRT (OR DRESS JACKET), OBTAIN AND SPREAD TO BUTTON	133	782	MPKSO01	130
SHIRT, BUTTON, PER BUTTON	61	782	MPKSB01	130
SHIRT, BUTTON AND FOLD	824	782	SPKSB01	131
SHIRT, UNBUTTON, PER BUTTON	35	782	MPKSU01	130
SIGN(PLEXIGLASS), BUFF EDGES ON BUFFING MACHINE	434	705	MTPSR01	21
SIGN, SAND WITH DISC SANDER	367	705	MTPSS01	21
SINK(HEAT), CLAMP TO AND REMOVE FROM WIRE	179	72X	MWHSO01	74
SLATS (VENETIAN BLIND), INSERT IN LADDERS ON TAPE	199	739	SDAST01	112
SLATS (VENETIAN BLIND), MOVE FROM DRYING RACK TO RINSE TANK	116	739	MWHSU01	115
SLEEVE(NICOPRESS), INSTALL(CRIMP)	VARIABLE	709	STLSIXX	29
SLEEVING(ELECTRICAL WIRE), HEAT TO SHRINK	VARIABLE	72X	STPSHXX	74
SLEEVING(VINYLITE), INSTALL OVER CABLE	VARIABLE	728	SWHSIXX	107
SLEEVING(ZIPPERED VINYLITE), INSTALL	8980	728	SWHS112	109
SLEEVING, INSTALL	7450	728	SWHS103	108
SLEEVING, REPLACE	VARIABLE	728	SWHSRXx	110
SNIPS(TINI), USE TO CUT SHEET METAL TO 22 GAUGE	VARIABLE	70X	MTLSDXX	17
SOLDER(CONNECTION), TOUCH UP	520	72X	SWHST01	67
SOLDER(EXCESS), REMOVE FROM SEAL EDGES OF CAP AND HOUSING(GYRO MOTOR)	2666	710	SDASR01	34
SOLDER(EXCESS), REMOVE FROM SEAL NUT HOLE(GYRO MOTOR)	2638	710	SDASS02	34
SOLDER(EXCESS) AND WEIGHTS, REMOVE FROM EXTERIOR OF LARGE GYRO MOTOR	3398	710	SDASR03	34
SOLDER, MFLT TO SOLDER/UNSOLDER	VARIABLE	72X	MPLSMXX	72
SOLDER, REMOVE	VARIABLE	72X	SCLSPXX	43
SOLDER, REMOVE FROM COMPONENT-PER POINT	452	72X	SCLSP03	43



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTD ELEMENT	PAGE
SOLDER, WIRE TO WIRE-PROCESS TIME ONLY	VARIABLE	72X	MPTSWXX	72
SOLDERING IRON(CONVENTIONAL TYPE), PREPARE FOR USE	457	72X	MJPSP02	69
SOLDERING IRON(PISTOL GRIP TYPE), PREPARE FOR USE	419	72X	MJPSP01	69
SOLDERING IRON, FILE TIP SMOOTH	456	72X	SCLSF01	43
SOLDERING IRON, TIN	VARIABLE	72X	MJPSTXX	70
SOLUTION(MAGNETIC), APPLY TO PART	VARIABLE	709	SITSAXX	27
SOLUTION(ZYGLO), SPRAY ON PART	VARIABLE	709	SITSSXX	27
SOLUTION(ZYGLO), WASH FROM PART ON PALLET	VARIABLE	709	MCLSMXX	22
SPACE(END), GAUGE WITH DEPTH MICROMETER, ADJUST	1087	710	SITSG03	41
SPACING(GAP), GAUGE WITH GO NO-GO GAUGE	350	710	SITSG02	41
SPACING(SHAFT END), GAUGE WITH GO, NO-GO GAUGE	186	710	SITSG01	41
SPACING(VENETIAN BLIND ASSEMBLY), GAUGE	52	739	MITSG01	114
SPLICE(WIRE), WRAP WITH TAPE	VARIABLE	72X	MWHSWXX	76
SPLICE/SLEEVE, INSTALL	4520	728	SWHSI09	109
SPLICE/SLEEVE, INSTALL	5690	728	SWHSI10	109
SPLICE/SLEEVE, INSTALL, MULTI WIRE BUTT SPLICE	6110	728	SWHSI04	108
SPLICE/SLEEVE, INSTALL, SOLDER SLEEVE, INSULATED WIRE	3620	728	SWHSI05	108
SPLICE/SLEEVE, INSTALL, SOLDER SLEEVE, SHIELDED WIRE	2900	728	SWHSI06	108
SPLICE/SLEEVE, INSTALL, SOLDER SLEEVE, COAX CABLE (ONE END ONLY)	4220	728	SWHSI07	108
SPLICE/SLEEVE, INSTALL, SHIELDED WIRE	2370	728	SWHSI08	109
SPLICE/SLEEVE, INSTALL, STUB SPLICE WITH END CAP	7110	728	SWHSI11	109
SPOT(FIBERGLASS), REPAIR ONE SQUARE INCH	2450	754	STPSR01	123
SPRING(HAIR), POSITION	6300	710	SDASP01	34
SPRING, TEST	VARIABLE	7XX	SITSTXX	5
SPRING, TEST	1540	7XX	SITST03	6
STENCIL, PLACE ON WALL	203	74X	MJPSP01	116
STITCH/TACK, SEW BY HAND	244	78X	MNFSS01	124
STOP(MEASURING TABLE), SET FOR DESIRED LENGTH	640	728	SJPSS01	103
STRAP(NYLON), CUT TO LENGTH	VARIABLE	739	STPSCXX	116
STRAP(UNATTACHED), FOLD AND SEW	824	787	SPTSF01	134
STRAP(WEB), SEW TO MATERIAL	859	787	SPTSS01	134
STRAP, SEAL ENDS	250	789	SDPSS01	134
STYLE(PANTOGRAPH MACHINE), MOVE TO NEXT LINE	19	704	MUHSM01	18
SWAGER(AIRCRAFT CONTROL CABLE), SET UP AND TAKE DOWN	1192	709	SSUSS01	28



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
SWAGER(AIRCRAFT CONTROL CABLE),SET UP	2524	709	SSUSSQ2	28
SWITCH(ROTARY),CLEAN WITH SPRAY	VARIABLE	72X	SCLSCXX	43
SWITCH(WAFER),REPLACE	5774	72X	SWASR07	61
SWITCH,CONNECT WIRES AND INSTALL	VARIABLE	72X	SDASCXX	60
SWITCH,DISCONNECT WIRES AND REMOVE	VARIABLE	72X	SDASDXX	60
SWITCH,REPLACE	VARIABLE	72X	SDARSXX	60
SWITCH,REPLACE(CONNECT,DISCONNECT LEADS)	VARIABLE	72X	SDASRXX	61
SYNCHRO,REPAIR	18340	721	SDARS01	96
SYNCHRO,REPLACE	29450	721	SDARS02	96
SYRINGE(HYPODERMIC),FILL WITH LIGHT OIL	784	7XX	SLUSF01	7
TABLE(DIP),RAISE AND LOWER	393	709	SPTPD01	28
TABLE(MACHINE),ADJUST FOR DEPTH OF CUT (PANTOGRAPH)	60	704	SSUTA03	18
TABLE(MACHINE),ADJUST WITH CRANK(PANTOGRAPH)	VARIABLE	704	SSUTAXX	18
TACK,DRIVE IN PLACE	100	780	MNFTD01	126
TACKS,PLACE IN MOUTH	139	780	MOHTP01	126
TACKS,REMOVE	124	780	MNFTR01	126
TAPE(TEFLON),INSTALL TO INSTRUMENT SEAM	VARIABLE	710	SNFTIXX	42
TAPE(VENETIAN BLIND),POSITION ON HEAD RAIL	236	739	MOHTP01	115
TAPE(VENETIAN BLIND),POSITION ON TILT RAIL	137	739	MOHTP02	115
TAPE(VENETIAN BLIND-FIRST SLAT),CUT	277	739	MTLTC01	116
TECHNICAL ORDER(OUT LINE/RECAP),READ	VARIABLE	7XX	MRDTRXX	11
TENSION(BRUSH SPRING),INSPECT AND TEST	122	721	MITTI01	97
TERMINAL(AVIONIC CABLE),INSTALL TO CABLE ENDS	632	728	SWHTI01	110
TERMINAL(BALL),INSPECT,AIRCRAFT CONTROL CABLE	1440	709	SITTI01	27
TERMINAL(ELECTRICAL/EYELET),CLEAN	994	72X	SCLTC03	44
TERMINAL(FEED THROUGH TYPE),INSTALL	710	72X	SDATI05	62
TERMINAL(POST),INSTALL	1817	72X	MTLTI04	73
TERMINAL,CLEAN FIRST OR SINGLE PIN/POST/EYELET WITH SOLDERING IRON AND VACUUM(SOLDER SUCKER)	VARIABLE	72X	SCLTCXX	44
TERMINAL,INSTALL	VARIABLE	72X	MTLTIXX	73
TERMINAL AND LUG ASSEMBLY,INSTALL	1424	72X	MTLTI03	73
TERMINAL ASSEMBLY,REMOVE	VARIABLE	72X	MTLTRXX	73
TERMINAL LUG(RING TYPE),REPLACE ON STUD(WIRE ATTACHED)	873	72X	SWHLR07	84
TERMINALS,LOAD IN MACHINE	1560	728	SJPTL01	103
THREAD(EXTERNAL),CHASE	TABLE	70X	TTLTCXX	17
THREAD,ALIGN AT SEWING MACHINE FOOT	45	78X	SJPTA01	124



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
THREAD, CHANGE IN SEWING MACHINE	1118	78X	SSUTC01	125
TIP, REMOVE AND REINSTALL ON ELECTRIC SOLDERING GUN	373	72X	MTLTR04	74
TOOTH(GEAR-END), FILE	VARIABLE	705	MTLTFXX	20
TRANSFORMER, REPLACE	VARIABLE	72X	SDATIXX	62
TRANSISTOR(THREE LEADS), TEST	VARIABLE	72X	SITTTXX	68
TROUSERS, FOLD	171	782	MPKTF01	131
TROUSERS, FOLD	363	782	SPKTF01	131
TROUSERS, PLACE FLAT ON TABLE FOR FOLDING	162	782	MPKTP01	131
TUBE(BOURDON), REMOVE AND REPLACE	1582	710	SDATRQ1	34
TUBE(CATHODE RAY), REMOVE AND INSTALL	4749	72X	SDATRO7	63
TUBE(CATHODE RAY), REPLACE	18580	72X	SDATRO6	63
TUBE(ELECTRON), REPLACE	249	72X	SDATRO4	62
TUBE(ELECTRON), TEST	4740	72X	SITTT03	68
TUBE(ELECTRON-PLUG IN TYPE), REPLACE	VARIABLE	72X	SDARTXX	60
TUBE(ELECTRON-SOLDERED LEADS), REPLACE	VARIABLE	72X	SDATRX	62
TUBE(ELECTRONIC), REPLACE	19769	72X	SDATRO3	62
TUBE(EVACUATION-LARGE GYRO MOTOR), UNSEAL	969	710	SDATU01	35
TUBE(KLYSTRON-TYPE QK547), REPLACE	3550	72X	SDATRO5	63
TUBE(POTTING), INSERT IN, REMOVE FROM GUN, CLEAN	5926	728	SJPTI01	103
TUBING(SHRINK), GET, CUT AND INSTALL	3996	72X	SWHTI03	88
TUBING(SHRINKABLE), REMOVE	VARIABLE	72X	STLTRXX	74
TUBING(VINYL), PREPARE AND INSTALL ON LEADS/ STUD	VARIABLE	72X	SWHTPXX	88
TUBING(VINYL), PREPARE FOR INSTALLATION	513	72X	SJPTP01	70
TYPE MASTER(PANTOGRAPH MACHINE), INSERT AND RE- MOVE	67	704	SSUTI01	19
UNIT(MOTOR/GENERATOR), ASSEMBLE	11870	721	SDAUA01	97
UNIT, CHECK BALANCE, GISHOLT MODELS 34V9107, S, UJP AND BEAR 40082	6130	710	SITUC01	42
UNIT, CHECK BALANCE, MICRO-NAMIC MODEL EV-2	4160	710	SITUC02	42
VARI-DRIVE, SET UP, ATTACH SPLINE AND ADAPTER SPLINE TO SHAFT	3028	7XX	SSUVS01	12
VARI-DRIVE, SET UP, ATTACH AND REMOVE ADAPTER	10180	7XX	SSUVS03	12
VARI-DRIVE, SET UP, ATTACH AND REMOVE COMPONENT TO/FROM VARI-DRIVE HEAD	14850	7XX	SSUVS04	12
VARI-DRIVE, SET UP, REMOVE ADAPTER SPLINE AND SPLINE FROM SHAFT	1476	7XX	SSUVS02	12
WISE, SWIVEL TO DESIRED WORK POSITION	135	7XX	MJPVS01	6
VOID, FILL	987	754	SSRVF01	122



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
VOLTAGE(NULL SYNCHRO),CHECK	3430	72X	SITVC03	69
VOLTAGE(ISTANDING WAVE RATIO),CHECK	VARIABLE	72X	MITVCXX	64
VOLTAGE/RESISTANCE,CHECK	VARIABLE	72X	SITVCXX	68
VOLTAGE/RESISTANCE,CHECK	1050	72X	SITVC04	69
VOLTAGE,TEST	VARIABLE	72X	SITVTXX	69
WAFER,REPLACE ON WAFER SWITCH	VARIABLE	72X	SDAWRXX	63
WAVEGUIDE(SECTION),REPLACE	VARIABLE	726	SDAWRXX	100
WEBBING,STRETCH INTO POSITION	209	780	MDAWS01	125
WIRE(AVIONIC CABLE),CODE	VARIABLE	728	SWHWCXX	110
WIRE(BUS),INSTALL TO TWO TERMINALS	VARIABLE	72X	SWHWIXX	89
WIRE(LUGGED),PAINT	179	72X	MPAW001	72
WIRE(S),FEED THROUGH CONDUIT	VARIABLE	728	MWHWFXX	105
WIRE(STRANDED),REMOVE FROM PLUG PIN(UNSOLDER)	428	72X	MWHWR03	77
WIRE,ATTACH LOOP TO TERMINAL	70	72X	MWHWA01	77
WIRE,ATTACH TERMINAL AND CONNECT TO POST (SHIELDED WIRE)	VARIABLE	72X	SWHWAXX	89
WIRE,CONNECT TO PIN WITH SOLDER	VARIABLE	72X	SWHWCXX	89
WIRE,INSTALL AND SOLDER LEAD END INTO PIN TERMINAL ON PLUG/RECEPTACLE	804	72X	SWHWI03	89
WIRE,LOCATE AND SEPARATE FROM BUNDLE	390	728	SWHWL01	110
WIRE,MEASURE AND CUT	VARIABLE	728	SWHWMXX	110
WIRE,PERPARE AND INSTALL	TABLE	72X	SWHWPXX	90
WIRE,REMOVE/INSTALL TO/FROM CONNECTOR	TABLE	72X	SWHWIXX	83
WIRE,REMOVE FROM VARIOUS TERMINALS,NORMAL AND RESTRICTED ACCESS	TABLE	72X	TWHWRXX	78
WIRE,REMOVE UNSOLDERED OR CUT STRANDED WIRE FROM SET/UNIT	VARIABLE	72X	MWHWRXX	77
WIRE,REPLACE	VARIABLE	72X	SWHWRXX	90
WIRE,ROUTE FROM ONE TERMINAL TO HARNESS AND FROM HARNESS TO THE OTHER TERMINAL	883	72X	SWHRW05	87
WIPE,ROUTE SIX INCHES ALONG HARNESS	723	72X	SWHRW06	87
WIRE,ROUTE THROUGH GROMMET OR HOLE	137	72X	SWHRW07	87
WIRE,ROUTE THROUGH OBSTRUCTION	VARIABLE	72X	SWHRWXX	87
WIRE,SOLDER OR UNSOLDER,FROM/TO VARIOUS POINTS	TABLE	72X	SWHWUXX	91
WIRE,SOLDER TO TERMINAL-PROCESS TIME ONLY	VARIABLE	72X	MPTSTXX	72
WIRE,SPLICE(SOLDERLESS)	633	72X	SWHWS04	91
WIRE,SPLICE(WITH SOLDER)	1031	72X	SWHWS03	91
WIRE,TWIST ON TERMINAL	157	72X	MHWWT05	77



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
NOUN/VERB INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
WIRES(STRANDED),TWIST TOGETHER IN PAIRS	VARIABLE	72X	MHHMTXX	77
WIRES,SPLICE(NON-SHIELOED WIRE)	VARIABLE	72X	SMHWSXX	90
WIRES,SPLICE(SHIELOED WIRE)	VARIABLE	72X	SMHSMXX	88
WRENCH(TORQUE),SET AND TEST TORQUE	3503	701	SITMS01	17



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	OWNSTOP ELEMENT	PAGE
ADJUST "V" AND DIAL INDICATOR BLOCK	195	721	MSUBA01	99
ADJUST CUNTROLS	VARIABLE	72X	MITCAXX	64
ADJUST CONTROLS-LOOSEN AND TIGHTEN LOCKNUT	325	72X	MITCA03	64
ADJUST DIAL INDICATOR CLEARANCE	1364	710	SITCA01	36
ACJUST JEWEL PIVOTS	3700	710	SITPA01	40
ADJUST MACHINE TABLE WITH CRANK(PANTOGRAPH)	VARIABLE	704	SSUTAXX	18
ACJUST MESH GEAR	4180	710	SITGA01	40
ADJUST METER	29620	710	SITPA01	40
ADJUST POTENTIOMETER OR TRIMMER	1680	72X	SITPA01	67
ADJUST POTENTIOMETER OR TRIMMER	1260	72X	MITPA01	64
ADJUST RADIO FREQUENCY GENERATOR	1710	72X	MITGA01	64
ADJUST RACTO FREQUENCY GENERATOR	1710	72X	SITGA01	66
ADJUST TABLE MACHINE FOR DEPTH OF CUT (PANTOGRAPH)	60	704	SSUTA03	18
ALIGN THREAD AT SEWING MACHINE FOOT	45	78X	SJPTAC1	124
APPLY FIBERGLASS CLOTH PATCH	VARIABLE	754	SSRPAXX	122
APPLY GLAZE TO SURFACE WITH BRUSH	VARIABLE	754	SPAGAXX	120
APPLY GLUE WITH BRUSH TO SURFACE	544	763	SNFGA01	124
APPLY GLYPTAL/DOPE TO SCREW OR NUT	VARIABLE	7XX	MPAGAXX	11
APPLY LIGHT OIL WITH SYRINGE	VARIABLE	7XX	SLUDAXX	7
APPLY LUBRICANT TO GASKET/O-RING	VARIABLE	7XX	SLULAXX	7
APPLY LUBRICANT TO SPOT WITH HYPDERMIC SYRINGE	243	7XX	SLULA05	7
APPLY MAGNETIC SOLUTION TO PART	VARIABLE	709	SITSAXX	27
APPLY PAINT TO FILL METAL STAMPING	356	740	MPAPA01	117
APPLY RESIN TO DAMAGED AREA	VARIABLE	754	SPARAXX	120
ASSEMBLE AND DISASSEMBLE VENETIAN BLIND	VARIABLE	739	KCLBCXX	111
ASSEMBLE CLIP TO STRAP	250	781	STPCA01	129
ASSEMBLE COAXIAL CABLE AND INSTALL TO PANEL MOUNTED TYPE RECEPTACLE	6046	72X	SDACA01	46
ASSEMBLE FITTINGS AND SEW TO WEB STRAPS	1959	787	SPTFA01	133
ASSEMBLE MOTOR/GENERATOR UNIT	11870	721	SCAUA01	97
ASSEMBLE MULTI-PIN OR RIBBON-RECTANGULAR SHAPED PLUG (CABLE MOUNTED)	3712	72X	SDAPD04	52
ASSEMBLE/DISASSEMBLE PLUG/CABLE(MOUNTED)	VARIABLE	72X	SDAPAXX	51
ATTACH GROUND LEAD PIGTAIL TO CABLE SHIELD	3123	72X	SWHPA01	85
ATTACH LUG TO CONTACT WITH SCREW	175	72X	MWHLA01	75
ATTACH LUG WIRE AND INSTALL	VARIABLE	72X	SWPLAXX	83
ATTACH ROPE TO GROMMETTED HOLE IN MATERIAL	510	785	SOHRA01	135
ATTACH VENETIAN BLIND TILT RAIL TO HEAD RAIL	165	739	SDARA01	112



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	THU VALUE	OCCUP- ATION	CWMSTOP ELEMENT	PAGE
ATTACH WIRE LOOP TO TERMINAL	70	72X	MMHWA01	77
ATTACH WIRE TERMINAL AND CONNECT TO POST (SHIELDED WIRE)	VARIABLE	72X	SMHWAXX	25
BACK CAPTIVE SCREW OUT AND RESEAT	959	72X	STFSB01	72
BALANCE MOTOR (STATIC)	24780	710	SITRB01	40
BEND PIN WITH PLIERS	VARIABLE	7XX	MNFB8XX	6
BOND MATERIAL WITH VACUUM PRESSURE AND HEAT LAMP	30200	754	SFAMB01	118
BUFF OBJECT WITH WIRE WHEEL	VARIABLE	705	SCLOBXX	19
BUFF PLEXIGLASS SIGN EDGES ON BUFFING MACHINE	434	705	MTPSB01	21
BURR HOLE	VARIABLE	705	MTLHBXX	20
BUTTON DRESS JACKET	VARIABLE	782	MPKJBXX	129
BUTTON DRESS JACKET AND FOLD	799	782	SPKJB01	131
BUTTON OVERCOAT AND FOLD	884	782	SPKOB01	131
BUTTON OVERCOAT, PER BUTTON	53	782	MPKGB01	129
BUTTON SHIRT AND FOLD	824	782	SPKSB01	131
BUTTON SHIRT, PER BUTTON	61	782	MPKSB01	130
CALIBRATE AUTOMATIC CYCLE GISHOLT MODEL S BALANCER	3270	710	SITBC05	35
CALIBRATE BEAR MODEL 400E2 BALANCER	9670	710	SITBC03	38
CALIBRATE CAPACITOR	3910	72X	SITCC03	65
CALIBRATE GISHOLT MODEL 34V9107 BALANCER	1830	710	SITBC04	38
CALIBRATE GISHOLT MODEL "S" BALANCER	8960	710	SITBC01	36
CALIBRATE GISHOLT UJP BALANCER	8920	710	SITEC02	37
CALIBRATE PRESSURE GAUGE AND ADJUST	14725	710	KITGC01	42
CHANGE BLADE	886	706	STLBC01	22
CHANGE METER RANGE AND ADJUST ZERO KNOBS	171	72X	SITRC01	67
CHANGE SEWING MACHINE BOBBIN	250	78X	SSUBC01	124
CHANGE THREAD IN SEWING MACHINE	1118	78X	SSUTC01	125
CHARGE ARMATURE MAGNET	6440	721	SITMC01	98
CHASE EXTERNAL THREAD	TABLE	70X	TTLTCXX	17
CHECK ARMATURE AND STRAIGHTEN	8160	721	SITAC02	98
CHECK ARMATURE CONCENTRICITY WITH DIAL INDICATOR	VARIABLE	721	SITCCXX	98
CHECK ARMATURE END PLAY	6310	721	SITEC01	98
CHECK ARMATURE WITH GRINDER	685	721	SITAC01	97
CHECK CABLE CONTINUITY, PIN TO PIN	1410	728	SITCM01	101
CHECK CONTINUITY	VARIABLE	72X	SITCCXX	64
CHECK INSULATION WITH PORTABLE TESTER AND VARIAC	813	72X	SITIC01	67



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	OWNSTDF ELEMENT	PAGE
CHECK MOTOR BEARINGS FIT TO CAP AND HOUSING	VARIABLE	721	MITBCXX	97
CHECK NULL SYNCHPO VOLTAGE	3430	72X	SITVC03	69
CHECK RESISTANCE VOLTAGE	1050	72X	SITVC04	69
CHECK SMALL MOTOR BEARING FIT TO HOUSING (BOTH ENDS)	621	721	MITBC03	97
CHECK UNIT BALANCE, GISHOLT MODELS 34V9107, 3, UJP AND BEAR 40082	6130	710	SITUC01	42
CHECK UNIT BALANCE, MICRO-NAMIC MODEL EV-2	4160	710	SITUC02	42
CHECK VOLTAGE STANDING WAVE RATIO	VARIABLE	72X	MITVCXX	64
CHECK VOLTAGE/RESISTANCE	VARIABLE	72X	SITVCXX	68
CIRCLE DOT	55	781	MLCDC01	128
CLAMP HEAT SINK TO AND REMOVE FROM WIRE	179	72X	WHWSC01	76
CLEAN AIRCRAFT CONTROL CABLE FITTING	450	709	SCLFC01	22
CLEAN AND INSPECT COMPONENT	VARIABLE	7XX	SITCCXX	5
CLEAN COMMUTATOR STATOR AND ARMATURE WITH ERASER AND AIR	VARIABLE	721	SCLSCXX	92
CLEAN COMPONENT WITH BRUSH AND SOLVENT	VARIABLE	7XX	SCLCCXX	1
CLEAN CONTACTS WITH BRUSH	1734	72X	SCLCC01	43
CLEAN ELECTRICAL/EYELET TERMINAL	994	72X	SCLTC03	44
CLEAN RESIN MIXING CUP	1026	754	SCLCC01	117
CLEAN ROTARY SWITCH WITH SPRAY	VARIABLE	72X	SCLSCXX	42
CLEAN SEALING BAND AND REMOVE FROM INSTRUMENT	VARIABLE	710	SCABCXX	30
CLEAN SHAVINGS FROM ONE LETTER WITH SCRIBE (PLASTIC MATERIAL)	57	794	MCLSC01	17
CLEAN SIRE LEAD AND PREPARE END FOR REINSTALLATION (STRANDED WIRE)	VARIABLE	72X	SMHLCXX	83
CLEAN TERMINAL-FIRST OR SINGLE PIN/POST/ EYELET WITH SOLDERING IRON AND VACUUM (SOLDER SUCKER)	VARIABLE	72X	SCLTCXX	44
CLOSE HINGED COVER	VARIABLE	7XX	MOHCCXX	8
CLOSE UP VENETIAN BLIND	1016	739	SDHBC01	115
CODE AVIUNIC CABLE WIRE	VARIABLE	728	SMHWCXX	110
CONNECT AND DISCONNECT CONNECTOR	VARIABLE	72X	MOACDXX	45
CONNECT CANNON PLUG	545	7XX	SDAPC01	3
CONNECT JONES PLUG	989	7XX	SDAPC02	3
CONNECT ONE END COAXIAL CABLE TO THREADED FITTING	485	72X	SDACC01	46
CONNECT SWITCH WIRES AND INSTALL	VARIABLE	72X	SDASCXX	60
CONNECT WIRE TO PIN WITH SOLDER	VARIABLE	72X	SMHWCXX	89
COUNTERBORE HOLE IN ALUMINUM	TABLE	7XX	STPHCXX	14
COUNTERSINK HOLE IN PLASTIC	VARIABLE	754	STPHCXX	123
COUNTERSINK MATERIAL (MICROC)	TABLE	7XX	STPHCXX	14



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWMSTD ELEMENT	PAGE
CRIMP TERMINAL TO WIRE END	352	754	WTRM001	10
CUT MONKEY COMB (PER CUT)	1004	759	STHCL01	105
CUT CLOTH PATCH AND TRIM	VARIABLE	781	SFAPCXX	127
CUT CLOTH WITH SCISSORS	613	781	MTLCC01	120
CUT COAXIAL CABLE AND TERMINATE	2066	72X	SMHCC01	78
CUT HOLES IN RUBBER SEAL WITH DRILL	VARIABLE	75X	STPHCXX	117
CUT HONEYCOMB AT DAMAGED AREA--APPROX. SIZE	VARIABLE	754	MTLHCXX	123
CUT MATERIAL WITH MACHINE (PER INCH)	VARIABLE	781	MTLMCXX	129
CUT MATERIAL WITH UPHOLSTERY SHEARS	33	780	MTLMC01	127
CUT NEW HONEYCOMB TO FINISHED SIZE	VARIABLE	754	MTLCHXX	122
CUT NYLON STRAP TO LENGTH	VARIABLE	739	STPSCXX	116
CUT VENETIAN BLIND--FIRST SLAT TAPE	277	739	MTLTC01	116
DEMAGNETIZE ARMATURE MAGNET	6090	721	SITM001	99
DEMAGNETIZE COMPONENT	380	709	SDHCD01	28
DEMAGNETIZE OBJECT WITH COIL	VARIABLE	709	MITODXX	23
DETACH MOUNTING--ELECTRONIC COMPONENT CLIP OR SOCKET (RIVETS)	VARIABLE	72X	SDACDXX	46
DETACH VENETIAN BLIND TILTING RAIL AND POSITION TO RECEIVE TAPES	227	739	SDARD01	112
DETERMINE DISTORTION	3620	726	SITDD01	100
DETERMINE FREQUENCY	VARIABLE	72X	SITFDXX	66
DIP CORD/BELT/STRAP/ IN WAX	VARIABLE	739	SDPCDXX	112
DIP VERY LARGE PART AND SPRAY WITH ZYGLO SOLUTION	736	709	SITPD01	25
DISASSEMBLE MOTOR (THREE SCREWS AND COVER)	4236	721	SDAMD02	54
DISASSEMBLE MOTOR (TRU-ARC RING)	1796	721	SDAMD01	94
DISASSEMBLE PLUG	5105	72X	SDAPD03	52
DISASSEMBLE RESOLVER MOTOR	8360	721	SDAMC03	94
DISASSEMBLE/ASSEMBLE ONE SOLDERED PIN PLUG	VARIABLE	72X	SDAPDXX	52
DISCONNECT CANNON PLUG	564	7XX	SDAPD01	3
DISCONNECT COAXIAL CABLE/REMOVE FROM THREADED CONNECTOR/RECEPTACLE IN SET/ UNIT	399	72X	SCACD03	46
DISCONNECT COAXIAL CABLE	61	72X	SDHCD01	71
DISCONNECT JONES PLUG	901	7XX	SDAPD02	3
DISCONNECT PULSE CABLE PLUG	420	7XX	SDAPD03	4
DISCONNECT SWITCH WIRES AND REMOVE	VARIABLE	72X	SCASDXX	60
DISENGAGE OBJECT	VARIABLE	7XX	MONODXX	9
DRESS BRASS ELECTRICAL CONDUIT AND FILE	3258	728	STPCD01	105
DRILL HOLE IN ALUMINUM (HAND DRILL POWERED)	VARIABLE	7XX	STPHDXX	15
DRILL HOLE IN PLASTIC	TABLE	754	STPHDXX	123



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	THU VALUE	OCCUP- ATION	OWMSTDP ELEMENT	PAGE
DRILL HOLE IN STEEL(HAND DRILL-POWERED)	TABLE	7XX	STPDHXX	14
DRIVE TACK IN PLACE	100	780	MNFTD01	126
ENGAGE PLUG IN PART BY HAND	VARIABLE	72X	SDAPEXX	52
ENGRAVE LETTER(PANTOGRAPH)IN METAL,BAKELITE OR PLASTIC	VARIABLE	704	MTPELXX	19
EXAMINE BRUSHES	VARIABLE	721	SITEEXX	98
EXAMINE CABLE VISUALLY FOR DEFECTS/CANAGE	VARIABLE	728	SITCEXX	101
EXAMINE FIBERGLASS(HONEYCOMB-DAMAGED),SOUND AND MARK	2760	754	MITFE01	118
FASTEN FATIGUE JACKET AND FOLD	768	782	SPKJF01	131
FASTEN FATIGUE JACKET WITH ZIPPER	88	782	MPKJF01	129
FASTEN FATIGUE JACKET WITH SNAP(TWO PART)	39	782	MPKJF02	129
FEED WIRES THROUGH CONDUIT	VARIABLE	728	MWHWFXX	105
FILE EDGE	TABLE	705	TTLEFXX	20
FILE GEAR-END TOOTH	VARIABLE	705	MTLTFXX	20
FILE SOLDERING IRON TIP SMOOTH	456	72X	SCLSF01	43
FILL DENT IN,FURNITURE(WOOD SURFACE)	VARIABLE	763	SSRDFXX	124
FILL ENGRAVED LETTER WITH ENGRAVERS CRAYON	VARIABLE	704	MPALFXX	18
FILL HYPDORMIC SYRINGE WITH LIGHT OIL	784	7XX	SLUSF01	7
FILL SQUEEZE BOTTLE	VARIABLE	754	SJPRFXX	118
FILL VOID	987	754	SSRVF01	122
FIT SINGLE AND MULTI-ALIGN PART TO CHASSIS	VARIABLE	72X	SDAPFXX	53
FIT UPHOLSTERY COVER UNDER ADJECINING SURFACE	VARIABLE	780	SOMCFXX	127
FOLD MATERIAL	91	780	SOMMF01	127
FOLD OVERCOAT	517	782	MPKCF01	130
FOLD OVERCOAT		782	MPKO701	
FOLD SHIRT(CR DRESS JACKET)BODY ONLY	245	782	MPKSF01	130
FOLD SHIRT(OR DRESS JACKET)IN HALF	53	782	MPKSF03	130
FOLD SHIRT(OR DRESS JACKET),SLEEVES ONLY	182	782	MPKSF02	130
FOLD TROUSERS	171	782	MPKTF01	131
FOLD TROUSERS	363	782	SPKTF01	131
FOLD UNATTACHED STRAP AND SEW	924	787	SPTSF01	134
FORM LOOP OR OPEN WITH PLIERS	VARIABLE	72X	MWHLFXX	76
FORM METAL SHIELD PIGTAIL	1190	72X	SWHPF01	85
GAUGE END SPACE WITH DEPTH MICROMETER, ADJUST	1087	710	SITSG03	41
GAUGE GAP SPACING WITH GC,NO-GC GAUGE	350	710	SITSG02	41
GAUGE SHAFT END SPACING WITH GC,NO-GC GAUGE	186	710	SITSG01	41
GAUGE VENETIAN BLIND ASSEMBLY SPACING	52	739	MITSG01	114



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TWU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
GET SHRINK TUBING,CUT AND INSTALL	3996	72X	SWMT103	88
GET SINGLE STUD MOUNT,PREPARE AND FIT TO CHASSIS	VARIABLE	72X	SDAMGXX	51
GRIND BALANCE	VARIABLE	705	STPBGXX	21
GRIND EDGE TO BURR (MACHINE)	VARIABLE	705	MTPEGXX	21
HANG VENETIAN BLIND IN SPRAY BOOTH OR ON DRYING RACK WITH 6 IN. DIAMETER LCOPS	280	739	WOMBH01	114
HEAT ELECTRICAL WIRE SLEEVING TO SHRINK	VARIABLE	72X	STPSHXX	74
IDENTIFY LUG WITH SLEEVE MARKER	122	72X	SIDL101	63
INSTALL COMPONENT WITH SOLDER	7620	72X	SDAC102	47
INSERT PANTOGRAPH MACHINE TYPE MASTER	67	704	SSUT101	19
INSERT POTTING TUBE IN GUN,CLEAN	5926	728	SJPT101	103
INSERT VENETIAN BLIND SLATS IN LADDERS ON TAPE	199	739	SDAS101	112
INSPECT BALL TERMINAL,AIRCRAFT CONTROL CABLE	1440	709	SITTI01	27
INSPECT BRUSH SEATING AND TEST	VARIABLE	721	SITSIXX	99
INSPECT BRUSH SPRING TENSION AND TEST	122	721	MITTI01	97
INSPECT DYE PENETRANT METAL SURFACE,PER 12 SQUARE INCHES	VARIABLE	709	SITDIXX	24
INSPECT ENGINE PART(ZYGLO)	TABLE	709	SITPIXX	26
INSPECT OBJECT WITH BLACK LIGHT	VARIABLE	709	SITDIXX	25
INSPECT PART BY MAGNAGLO PROCESS	VARIABLE	709	SITIPXX	24
INSPECT PART(ZYGLO)	VARIABLE	709	SITIZXX	25
INSPECT PARTS WITH BLACK LIGHT(ZYGLO)	8035	709	SITP201	27
INSPECT VERY SMALL PART WITH MAGNAFLUX MACHINE	420	709	SITIP06	24
INSTALL ADAPTER AND PLUG	VARIABLE	7XX	STLAIXX	13
INSTALL AND REMOVE COVER/ACCESS PANEL	VARIABLE	7XX	SDACIXX	1
INSTALL AND REMOVE FLAT ACCESS COVER PLATE	VARIABLE	7XX	WOMBIXX	10
INSTALL AND REMOVE ROUND OR SPLIT TYPE CABLE IN/FROM FIXTURE	3600	728	SJPC101	102
INSTALL AVIONIC CABLE TERMINAL TO CABLE ENDS	632	728	SWMT101	110
INSTALL AXIAL LEAD PART ON PIN POST OR EYELET TERMINAL	VARIABLE	72X	SWMPIXX	85
INSTALL BANANA TYPE PLUG	963	72X	SWMPI03	85
INSTALL BEARING OR GEAR	VARIABLE	7XX	SDABIXX	1
INSTALL BUS WIRE TO TBC TERMINALS	VARIABLE	72X	SWMBIXX	89
INSTALL BUTTON AND SOCKET OR STUD AND EYELET FASTENER	810	739	SPAF101	113
INSTALL BUTTON PLUG AND GASKET	179	7XX	SDAP102	4
INSTALL CABLE AND REMOVE FROM TYING FIXTURE	VARIABLE	728	SWMCIXX	106
INSTALL CABLE CLAMP WITH LOCKNUT,SCREW/ECLT AND WASHER	VARIABLE	72X	SCPCIXX	44



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	CWMSTDP ELEMENT	PAGE
INSTALL CABLE CONNECTOR AND REMOVE	VARIABLE	72X	SWHCIXX	75
INSTALL CLECO FASTENER (TEMPORARY)	VARIABLE	70X	SCPFIXX	16
INSTALL COAXIAL CABLE WITH THREADED CAP	2654	72X	SWHC110	86
INSTALL COMPONENT AND REMOVE	TABLE	72X	SDACIXX	47
INSTALL COMPONENT WITH SOLDER	3480	72X	SDAC101	47
INSTALL CONNECTOR END ON COAXIAL CABLE	VARIABLE	72X	MWHCIXX	75
INSTALL FEED THROUGH TYPE TERMINAL	710	72X	SDAT105	62
INSTALL GROMMET IN SOUND PROOFING BLANKET	921	739	SFAG101	113
INSTALL GROMMET USING GUIDE WIRE AND ARBOR PRESS	VARIABLE	72X	SDAGIXX	50
INSTALL HEAT INSULATION ON CABLE (1 INCH LONG)	1060	728	SWHCN01	106
INSTALL HINGED-PIN TYPE COVER AND CLOSE	255	7XX	MWHC101	8
INSTALL JIFFY BUTTON TO BLANKET	VARIABLE	739	SFABIXX	113
INSTALL KNOB/POINTER WITH NORMAL ACCESS (HAND OR TOOL)	VARIABLE	7XX	SDAKIXX	2
INSTALL LOCKING BAND AND CRIMP, AIRCRAFT CABLE	2900	728	SWMB101	105
INSTALL MOTOR BEARING	VARIABLE	721	SDABIXX	92
INSTALL MOTOR COVER	VARIABLE	721	SDACIXX	93
INSTALL PIGTAIL COMPONENT	4798	710	SDAC101	30
INSTALL PIN ON WIRE WITH CRIMPER	215	72X	MTLW101	74
INSTALL PINS	609	706	SNFPI01	22
INSTALL PLASTIC WIRE SPLICER NUT	142	72X	MWHN101	76
INSTALL POST TERMINAL	1817	72X	MTLT104	73
INSTALL PRESSURE GAUGE POINTER	375	710	SDAPI01	33
INSTALL PROTECTIVE-CLAMP ON TYPE COVER ON PART	55	7XX	MNFC101	7
INSTALL PROTECTIVE-EXPANDABLE BAND TYPE COVER ON PART	116	7XX	MNFC102	8
INSTALL PULL AND TILTING CORD IN VENETIAN BLIND	1574	739	SDAC101	112
INSTALL RIVETS WITH HAMMER AND PUNCH	314	709	SNFFI01	27
INSTALL SEMI-CONDUCTOR WITH SOLDER	VARIABLE	72X	SDASIXX	61
INSTALL SHIELDED/COAXIAL CABLE	11732	72X	SWHC109	79
INSTALL SHOCK MOUNT	1490	7XX	SDAM101	3
INSTALL SLEEVE (NICOPRESS) (CRIMP)	VARIABLE	709	STLSIXX	29
INSTALL SLEEVING	7450	728	SWMS103	108
INSTALL SMALL PART AND POSITION WITH TWEEZERS	144	7XX	SDAPI01	3
INSTALL SPAGHETTI INSULATION ON WIRE(S)	VARIABLE	72X	MWHC1XX	75
INSTALL SPLICE/SLEEVE	5690	728	SWMS110	109



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWNSTOP ELEMENT	PAGE
INSTALL SPLICE/SLEEVE	4520	728	SWHSI09	109
INSTALL SPLICE/SLEEVE SHIELDED WIRE	2370	728	SWHSI08	109
INSTALL SPLICE/SLEEVE, MULTI WIRE BUTT SPLICE	6110	728	SWHSI04	108
INSTALL SPLICE/SLEEVE, SOLDER SLEEVE, INSULATED WIRE	3620	728	SWHSI05	108
INSTALL SPLICE/SLEEVE, SOLDER SLEEVE, SHIELDED WIRE	2900	728	SWHSI06	108
INSTALL SPLICE/SLEEVE, SOLDER SLEEVE, COAX CABLE (ONE END ONLY)	4220	728	SWHSI07	108
INSTALL SPLICE/SLEEVE, STUD SPLICE WITH END CAP	7110	728	SWHSI11	109
INSTALL TEFLON TAPE TO INSTRUMENT SEAM	VARIABLE	710	SNFTIXX	42
INSTALL TERMINAL	VARIABLE	72X	MTLTIXX	73
INSTALL TERMINAL AND LUG ASSEMBLY	1424	72X	MTLT103	73
INSTALL THREADED METAL COLLAR ON COAXIAL CABLE-UNRAVEL BRAIDED METAL SHIELD AND PRESS TO COLLAR	2738	728	SWNCI04	106
INSTALL VENETIAN BLIND RAISING CORD	592	739	MDACI01	111
INSTALL VINYLITE SLEEVING OVER CABLE	VARIABLE	728	SWNSIXX	107
INSTALL WIRE AND SOLDER LEAD END INTO PIN TERMINAL ON PLUG/RECEPTACLE	804	72X	SWNBI03	85
INSTALL WIRE TO CONNECTOR REMOVE WIRE FROM CONNECTOR	TABLE	72X	SWNIWXX	83
INSTALL WIRE WITH WIRE PIN IN CONNECTOR	660	72X	SWNPI01	76
INSTALL ZIPPERED VINYLITE SLEEVING	6980	728	SWNSI12	105
LAYOUT CLJTH LAMINATE AND PREPARE TO REPAIR	VARIABLE	754	SJPLLXX	119
LAYOUT ELECTRICAL CABLE	VARIABLE	728	SJPCLXX	102
LAYOUT HONEYCOMB AND PREPARE TO REPAIR	8186	754	SJPHL01	119
LOAD TERMINALS IN MACHINE	1560	728	SJPTL01	103
LOCATE POINT ON CHASSIS OR TERMINAL BOARD	143	7XX	NICPL02	4
LOCATE WIRE AND SEPARATE FROM BUNDLE	390	728	SWHML01	110
LOCATE/FIND POINT ON CHASSIS OF TERMINAL BOARD	91	7XX	NICPL01	4
LOCATE, CONNECT AND REMOVE PLUG	VARIABLE	72X	SDAPLXX	55
LOOSEN ARM BOLT	174	704	SSUBL01	18
LOOSEN CLAMP(ELECTRON TUBE) AND TIGHTEN	VARIABLE	72X	MCPCLXX	44
LOOSEN HARNESS CLAMP AND TIGHTEN	2257	72X	SWHCL01	75
LUBRICATE CABLE AND INSERT IN PLUG	569	72X	SDACL01	47
LUBRICATE DRILL TO DRILL PLASTIC	VARIABLE	754	SLUDLXX	120
MAGNAFLUX PART	TABLE	709	SITPMXX	26
MAGNETIZE OBJECT FOR MAGNAGLO INSPECTION	VARIABLE	709	MITOMXX	23
MAKE CHECK MARK ON FLOOR	268	781	MGMNM01	126



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERE/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
MAKE CHECK WITH PORTABLE ELECTRICAL METER	VARIABLE	72X	SITCMXX	65
MAKE HI-PCT CHECK	VARIABLE	72X	SITHMXX	67
MANUFACTURE CABLE, REPLACE RIBBON IN CODING MACHINE	1690	728	SSUCM03	104
MANUFACTURE CABLE, REPLACE WIRE SPOOL IN CODING MACHINE	1902	728	SSUCM04	104
MANUFACTURE CABLE, REPLACE STAMPING BLOCK	1370	728	SSUCM02	104
MARK AROUND PATTERN	13	781	MLOPM01	128
MARK CABLE SLEEVING, PER MARK	396	728	SIDCM01	100
MARK DOTS POINTS	47	781	MLOPM02	128
MEASURE AND CUT AIRCRAFT CONTROL CABLE	VARIABLE	709	SGMCMXX	23
MEASURE ELECTRICAL ALUMINUM CONDUIT AND CUT	1690	728	MTPCM02	105
MEASURE ELECTRICAL BRASS CONDUIT AND CUT	2490	728	MTPCM01	105
MEASURE VENETIAN BLIND PULL AND TILTING CORD AND CUT	1951	739	SGMCM01	114
MEASURE WIRE AND CUT	VARIABLE	728	SWHMXX	110
MELT SOLDER TO SOLDER/UNSOLDER	VARIABLE	72X	MPTSMXX	72
MIX RESIN	1211	754	SJPRM01	120
MOLD CABLE PLUG	VARIABLE	728	SWHPMXX	107
MCUNT AXIAL LEAD PART IN AND REMOVE FROM CLIP MCLDEF	VARIABLE	72X	SOAPMXX	55
MCUNT ELECTRIC MOTOR AND HOOK UP	VARIABLE	721	SDAMXX	94
MOVE PANTOGRAPH MACHINE STYLE TO NEXT LINE	19	704	MOHSM01	18
MOVE VENETIAN BLIND SLATS FROM DRYING RACK TO RINSE TANK	116	739	MOHSM01	115
OBTAIN OVERCOAT AND SPERAD TO BUTTON	179	782	MPK0001	130
OBTAIN RESISTANCE VALUE WITH WHEATSTONE BRIDGE	VARIABLE	72X	SITROXX	67
OBTAIN SHIRT (OR DRESS JACKET) AND SPREAD TO BUTTON	133	782	MPKSC01	130
OBTAIN VENETIAN BLINDS PARTS, MOVE TO TABLE	988	739	SOHPC01	115
OPEN COVER	VARIABLE	7XX	WCHCCXX	9
PAINT LUGGED WIRE	179	72X	MPAW001	72
PAINT STENCIL LETTER WITH BRUSH	VARIABLE	740	MPALPXX	117
PIN MATERIAL TO CHAIR OR OTHER MATERIAL	90	780	SCPMP01	125
PLACE BOX TYPE COVER ON UNIT	TABLE	7XX	SOHCPXX	10
PLACE PART IN HOLE	VARIABLE	7XX	MOHPPXX	10
PLACE SOUND PROOFING BLANKET FILLER IN WRAP	VARIABLE	739	SFAPPXX	113
PLACE STENCIL ON WALL	271	747	MPSC01	114
PLACE TACKS IN MOUNT	100	780	MPKTP01	121
PLACE TROUSERS FLY ON TABLE FOR FOLDING	102	782	MPKTP01	121



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWMSTD ELEMENT	PAGE
PLACE VENETIAN BLIND-BOTTOM RAIL ON FOLDED TAPES (ON HEAD RAIL)	50	739	MOHRP01	115
PLACE VISE JAW PROTECTORS	143	7XX	NJPPP01	6
PLACE WRAP AROUND OR CAP SHAPE COVER ON UNIT	VARIABLE	7XX	MOHCPXX	9
PLUG PART IN BY HAND	VARIABLE	72X	MOHPPXX	71
POLISH AND CLEAN COMMUTATOR WITH CROCUS CLOTH	486	721	SCLCP01	92
POSITION COTTON BATTING	135	780	SCHER01	126
POSITION HAIR SPRING	6300	710	SDASP01	34
POSITION MATERIAL TO SEW	346	787	MOHMP03	131
POSITION MATERIAL TO SEW	VARIABLE	787	MOHMPXX	131
POSITION SEALING PLUG AND SOLDER TO INSTRUMENT	1900	710	SDAPP01	33
POSITION VENETIAN BLIND TAPE ON TILT RAIL	137	739	MOHTP02	115
POSITION VENETIAN BLIND TAPE ON HEAD RAIL	236	739	MOHTP01	115
PREFORM FIBERGLASS HONEYCOMB	2260	754	SSRMP01	121
PREPARE COAXIAL CABLE TO MANUFACTURE AND TEST	1560	728	SJPCP01	102
PREPARE CONVENTIONAL TYPE SOLDERING IRON FOR USE	457	72X	NJPS02	69
PREPARE LABEL AND ATTACH TO CABLE	7760	728	SIOLP01	101
PREPARE METAL SHIELD ON STRANDED WIRE FOR GROUND	873	72X	MWSP01	76
PREPARE MOTOR(AIR) FOR USE, AS ICE	VARIABLE	7XX	SJMPXX	7
PREPARE PART FOR MOUNTING	VARIABLE	7XX	MTFPPXX	12
PREPARE PART TO DRILL AND REAM COUPLER, GEAR HUB, SLEEVE OR COLLAR	5608	709	SDAPP01	22
PREPARE PISTOL GRIP TYPE SOLDERING IRON FOR USE	419	72X	NJPS01	69
PREPARE SEWING MACHINE TO OPERATE	945	787	SSUMP01	134
PREPARE SPRAY GUN AND FILL	760	754	SJPGP01	119
PREPARE TO INSTALL SNAP OR GROMMET FASTENER	1043	739	SJFPP01	114
PREPARE TO PERFORM MAGNAGLO INSPECTION	165	709	NJPIP01	27
PREPARE TO SEW SOUND PROOFING BLANKET	1444	739	SJPBP01	114
PREPARE TO USE FRAME/EYE HELD EYE LOUPE	VARIABLE	7XX	NJPEPXX	6
PREPARE TO USE PORTABLE DRILL	451	7XX	SJPOP01	6
PREPARE VINYL TUBING AND INSTALL ON LEADS/ STUD	VARIABLE	72X	SWHTPXX	88
PREPARE VINYL TUBING FOR INSTALLATION	513	72X	SJPTP01	70
PREPARE WIRE AND INSTALL	TABLE	72X	SWHWPXX	90
PRESERVE AIRCRAFT CONTROL CABLE	VARIABLE	709	NOPCPXX	22
PRESS OUT BEARING	1250	721	MDABP01	92



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	EWSTCP ELEMENT	PAGE
PRESS OUT BEARING AND REMOVE SLINGER	1660	721	SDABP01	93
PRY PARTS APART WITH HAMMER AND CHISEL	144	7XX	STLPP01	13
PUNCH HOLE IN SOUND PROOFING BLANKET, HAND PUNCH	365	781	NTLMP01	128
PUNCH HOLE IN SOUND PROOFING BLANKET KICK PRESS	399	781	NTLMP02	128
PUNCH HOLE WITH HAMMER AND MOLLER POINT PUNCH	VARIABLE	7XX	STLMPXX	13
PUNCH HOLE WITH WHEEL TYPE HARNESS PUNCH	VARIABLE	781	STLMPXX	129
PUT SET(METAL STENCIL LETTERS) IN CASE	151	74X	NOHLP01	116
RAISE DIP TABLE AND LOWER	393	705	SPTP001	28
READ GAUGE/METER	VARIABLE	7XX	MITGRXX	5
READ TECHNICAL ORDER(OUTLINE/RECAP)	VARIABLE	7XX	NRCTRXX	11
REAM FERRULE ON CONDUIT BY HAND	2450	728	STLFR01	104
REAM WORM GEAR AND INSTALL	VARIABLE	70X	SDAGRXX	17
REASSEMBLE PLUG TO CABLE WITH SLEEVE	1057	72X	SDAPR14	57
RELEASE OBJECT FROM STRAP VISE(HYDRAULIC)	VARIABLE	7XX	MVSORXX	16
RELOCATE STRANDED LEAD	7712	72X	SWHLR05	84
REMOVE ADAPTER/PLUG	VARIABLE	7XX	STLARXX	13
REMOVE AND REINSTALL TIP ON ELECTRIC SOLDERING GUN	373	72X	NTLTF04	74
REMOVE AXIAL LEAD PART FROM PIN/POST OR EYELET TERMINAL	VARIABLE	72X	SWMPRXX	85
REMOVE BEARING OR GEAR	VARIABLE	7XX	SDABRXX	1
REMOVE BOURDON TUBE AND REPLACE	1582	710	SDATR01	34
REMOVE BUJ TYPE COVER FROM UNIT	TABLE	7XX	SOMCRXX	10
REMOVE BUTTON PLUG	153	7XX	SDAPR02	4
REMOVE CABLE PLUG FROM MOLD	7380	728	SWMPR01	107
REMOVE CAP AND HANDLE ASSEMBLY FROM CONNECTOR	85	72X	SOMCR03	71
REMOVE CATHODE RAY TUBE AND INSTALL	4749	72X	SDATR07	63
REMOVE CHASSIS FROM CASE	VARIABLE	72X	SOMCRXX	71
REMOVE CIRCUIT PIECE FROM PRINTED CIRCUIT BOARD	VARIABLE	726	SDACRXX	99
REMOVE CLFCO FASTENER	VARIABLE	70X	SCPFRXX	16
REMOVE COAXIAL CABLE FROM CONNECTOR WITH THREADED CAP	929	72X	SOMCR05	81
REMOVE CONNECTOR-THREADED CAP AND INSTALL	714	72X	SDACR07	48
REMOVE COUPLER/GEAR/SLEEVE OR COLLAR AND INSTALL WITH PIN OR CLAMP AND SET SCREW	VARIABLE	7XX	SDACRXX	2
REMOVE EXCESS SOLDER AND WEIGHTS FROM	3398	710	SDASR03	34
REMOVE EXCESS SOLDER FROM SEAL NUT HOLE (GYRO MOTOR)	2632	710	SDASR02	34



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUPY ATION	DWMSTDP ELEMENT	PAGE
REMOVE EXCESS SOLDER FROM SEAL EDGES OF CAP AND HOUSING(GYRO MOTOR)	2666	710	SDASR01	34
REMOVE FURNITURE FINISH FROM WOOD	VARIABLE	763	SCLFRXX	123
REMOVE GYRO HEADER PIN GUARD	1644	710	SDAGR01	31
REMOVE GYRO OUTER COVERS	351	710	SOMCR01	43
REMOVE KNOB/POINTER(HAND OR TOOL)	VARIABLE	7XX	SDAKRXX	3
REMOVE LEAD AND INSTALL VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS	TABLE	72X	SWHLRXX	86
REMOVE LEAD FROM PRINTED CIRCUIT BOARD	1750	72X	SWHLR06	84
REMOVE LEAD FROM TERMINAL	VARIABLE	72X	SWHLRXX	84
REMOVE MATING PART	60	72X	SNFMR01	71
REMOVE MATING PART	VARIABLE	7XX	SOMPRXX	11
REMOVE MOTOR END COVER	2190	721	MDACR01	92
REMOVE PANEL MOUNT TYPE RECEPTACLE FROM COAXIAL CABLE	995	72X	SDARR09	56
REMOVE PANTOGRAPH MACHINE GIB FROM HOLDING TABLE(PER GIB)	86	704	SSUGR01	18
REMOVE PLUG IN TYPE PART	VARIABLE	72X	SDARPXX	56
REMOVE PUTTING COMPOUND	5227	72X	MTLCR01	73
REMOVE PRESSURE GAUGE DIAL AND REPLACE	4006	710	SDADR01	31
REMOVE PRINTED CIRCUIT BOARD FROM JIG AND INSTALL IN JIG	VARIABLE	72X	MVSBRXX	75
REMOVE PROTECTIVE-CLAMP ON TYPE COVER FROM PART	78	7XX	MNFCR01	8
REMOVE RIVET WITH DRILL, HAMMER AND PUNCH	VARIABLE	709	SNFRRXX	28
REMOVE RUBBER GROMMET FROM BODY OF CONNECTOR ASSEMBLY	111	72X	MTLGR01	73
REMOVE SEALING PLUG FROM INSTRUMENT	1950	710	SDAPR02	34
REMOVE SHIELDED/COAXIAL CABLE	5734	72X	SWHCR04	80
REMOVE SHOCK MOUNT	1170	7XX	SDAMR01	3
REMOVE SHRINKABLE TUBING	VARIABLE	72X	STLTRXX	74
REMOVE SINGLE ALIGN PART OUT OF HOLE OR OFF STUD	83	7XX	SOMPR05	11
REMOVE SOLDER	VARIABLE	72X	SCLSRXX	43
REMOVE SOLDER FROM COMPONENT-PER POINT	452	72X	SCLSR03	43
REMOVE STRANDED WIRE FROM PLUG PIN (UNSOLDER)	428	72X	MWHWR03	77
REMOVE TACKS	124	780	MNFTR01	126
REMOVE TERMINAL ASSEMBLY	VARIABLE	72X	MTLTRXX	73
REMOVE TERMINAL ASSEMBLY FROM CONNECTOR	114	72X	MDAAR01	45
REMOVE TERMINAL-GYRO MOTOR CUPS	383	710	SDACR06	31
REMOVE THREADED CONNECTOR END FROM COAXIAL CABLE	853	72X	SDACR06	48



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	OWMSTDP ELEMENT	PAGE
REMOVE THREADED-STAKED PART	587	7XX	SDAPR03	4
REMOVE TRANSISTOR MOUNTING CLIP	VARIABLE	72X	SDARCXX	57
REMOVE UNSOLDERED WIRE OR CUT STRANDED WIRE FROM SET/UNIT	VARIABLE	72X	MWHWRXX	77
REMOVE UPHOLSTERY MATERIAL FROM SEWING MACHINE	65	787	MOHMR04	132
REMOVE VENETIAN BLIND FROM SPRAY BOOTH	107	739	MCHBR01	115
REMOVE WIRE FROM VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS	TABLE	72X	TWHRPXX	78
REMOVE WIRE INSULATION	VARIABLE	72X	SWHIFXX	82
REMOVE WRAP AROUND OR CAP SHAPED COVER FROM UNIT/ITEM	VARIABLE	7XX	MCHCRXX	9
REMOVE/INSTALL WIRE LEAD TO INDING POST	VARIABLE	72X	MWHLRXX	76
REPAIR FIBERGLASS	VARIABLE	754	SSRFRXX	121
REPAIR FIBERGLASS SPOT(ONE SQUARE INCH)	2450	754	STPSR01	123
REPAIR INSTRUMENT CASE	VARIABLE	710	SDACRXX	31
REPAIR LAMINATED OBJECT(FILL VOID)	5200	754	SSRCR10	122
REPAIR LAMINATED OBJECT	VARIABLE	754	SSRCRXX	122
REPAIR MOTOR	10960	721	SDAMR02	95
REPAIR MOTOR GENERATOR(DISASSEMBLE, CLEAN EXAMINE, AND ASSEMBLE)	22050	721	SDAMR04	95
REPAIR SYNCHRO	18340	721	SDARS01	96
REPLACE AC/DC PLUG WITH CLAMP AND GROUND	6136	72X	SWHPR05	86
REPLACE ARMATURE	VARIABLE	721	SDAARXX	92
REPLACE AXIAL LEAD PART ON PIN/POST TERMINAL OR EYELET TYPE TERMINAL	VARIABLE	72X	SWHRPXX	87
REPLACE BRUSHES	TABLE	721	SDABRXX	93
REPLACE BUTTON TYPE CAPACITOR(SOLDERED)	4695	72X	SDACR03	48
REPLACE CABLE CLAMP WITH LOCKNUT, BOLT/SCREW AND WASHER	VARIABLE	72X	SCPCRXX	45
REPLACE CARBON PILE	5980	729	SDACR01	111
REPLACE CATHODE RAY TUBE	18580	72X	SDATR06	63
REPLACE CLAMPS	6400	72X	SCPCR05	45
REPLACE COAXIAL RECEPTACLE ON PANEL	VARIABLE	72X	SDARPXX	59
REPLACE COMPONENT	VARIABLE	72X	SWHCRXX	80
REPLACE COMPONENT	6851	72X	SDACR04	48
REPLACE CONNECTOR END ON COAXIAL CABLE	7648	72X	SDACR05	48
REPLACE COVER PLATE	208	7XX	MTLFR01	13
REPLACE CRYSTAL RECTIFIER PLUG IN TYPE	630	72X	SDARP10	60
REPLACE ELECTRICAL PLUG PIN	3550	72X	STLPR01	74
REPLACE ELECTRON TUBE	249	72X	SDATR04	62
REPLACE ELECTRON-PLUG IN TYPE TUBE	VARIABLE	72X	SCARTXX	60



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	THU VALUE	OCCUP- ATION	DWMSTOP ELEMENT	PAGE
REPLACE ELECTRON-SOLDERED TUBE	VARIABLE	72X	SDATRX	62
REPLACE ELECTRONIC COMPONENT	VARIABLE	72X	SDAERXX	49
REPLACE ELECTRONIC COMPONENT	TABLE	72X	SDAREXX	58
REPLACE ELECTRONIC PART	TABLE	72X	SDAPIXX	54
REPLACE ELECTRONIC TUBE	19769	72X	SDATRO3	62
REPLACE FIBERGLASS HONEYCOMB	VARIABLE	754	SSRMXX	121
REPLACE FILTER OR COIL	VARIABLE	72X	SDAFRXX	49
REPLACE FUSE	329	72X	SNFFR01	70
REPLACE FUSE HOLDER	VARIABLE	72X	SDAMRXX	50
REPLACE LAMP LENS IN GAUGE	1876	710	SDALR01	32
REPLACE GAUGE OR INSTRUMENT POINTER	1896	710	SDAPR01	34
REPLACE GENERATOR MOTOR	37140	721	SDAMR05	96
REPLACE INNER LAYER CLOTH	VARIABLE	754	SSRCRXX	121
REPLACE JACK/TEST POINT(PANEL MOUNTED)	VARIABLE	72X	SDAJRXX	50
REPLACE KLYSTRON-TYPE OK547 TUBE	3550	72X	SDATRO5	63
REPLACE LEAD AND SOCKET, ELECTRON TUBE	TABLE	72X	SDARLXX	58
REPLACE METER	VARIABLE	72X	SDAMRXX	51
REPLACE MOTOR	24560	721	SDAMR03	95
REPLACE MOTOR(OR MOTOR GENERATOR) TO GEAR PLATE	9160	721	SDAMR01	94
REPLACE PART	VARIABLE	72X	SDAPRXX	56
REPLACE PART OR MODULE	2790	7XX	SDAPR01	4
REPLACE PILCT LAMP	920	72X	SDALR01	50
REPLACE PIN AND REINSTALL	VARIABLE	72X	STLPRXX	74
REPLACE POTENTIOMETER	29800	72X	SDAPR12	56
REPLACE RESISTOR/CAPACITOR	VARIABLE	72X	SDACRXX	48
REPLACE RING TYPE TERMINAL LUG ON STUD (WIRE ATTACHED)	873	72X	SWHLR07	84
REPLACE SECTION WAVEGUIDE	VARIABLE	726	SDAWRXX	100
REPLACE SHIM ON ARMATURE	VARIABLE	721	SDASRXX	97
REPLACE SLEEVING	VARIABLE	708	SWHSRXX	110
REPLACE STUD MOUNTED POTENTIOMETER	16389	72X	SDAPR13	57
REPLACE SWITCH	VARIABLE	72X	SDARSXX	60
REPLACE SWITCH(CONNECT, DISCONNECT LEADS)	VARIABLE	72X	SDASRXX	61
REPLACE SYNCHRO GEAR TRAIN	13500	721	SDAGR01	93
REPLACE SYNCHRO	29450	721	SDARS02	96
REPLACE THREADED PART BY HAND	235	7XX	STFPR02	13
REPLACE THREADED PART BY HAND(UNPACK NEW PART)	375	7XX	STFPR01	12
REPLACE TRANSFORMER	VARIABLE	72X	SDATIXX	62



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWNSTOP ELEMENT	PAGE
REPLACE WAFFER ON WAFFER SWITCH	VARIABLE	72X	SDAWRXX	63
REPLACE WAFFER SWITCH	5774	72X	SDASR07	61
REPLACE WIRE	VARIABLE	72X	SWWRXX	90
REPLACE WIRED RELAY	VARIABLE	72X	SDARDXX	57
REPOSITION CUTTER FOR NEXT MACHINE CUT	150	781	MJPCR01	128
REPOSITION MATERIAL TO SEW	VARIABLE	787	MOHWRXX	132
ROUTE WIRE FROM ONE TERMINAL TO HARNESS AND FROM HARNESS TO OTHER TERMINAL	883	72X	SWHRW05	87
ROUTE WIRE SIX INCHES ALONG HARNESS	723	72X	SWHRW06	87
ROUTE WIRE THROUGH GROMMET OR HOLE	137	72X	SWHRW07	87
ROUTE WIRE THROUGH OBSTRUCTION	VARIABLE	72X	SWHRWXX	87
SALVAGE AIRCRAFT CONTROL CABLE FITTING	3000	709	STLFS01	29
SAND SIGN WITH DISC SANDER	367	705	MTPSS01	21
SEAL INSTRUMENT WITH SOLDERING IRON	VARIABLE	710	SDAISXX	32
SEAL STRAP ENDS	280	789	SOPSS01	134
SEAT RIVET	214	789	STLRS01	135
SECURE OBJECT IN STRAP VISE(HYDRAULIC OPERATE)	VARIABLE	7XX	MVSOSXX	16
SECURE VENETIAN BLIND FOR TRANSPORTING	998	739	SNFES01	114
SELECT MASTER COPY FROM WORK BENCH(PER LETTER)	26	704	MJPCS02	17
SELECT MASTER COPY FROM BACK ON WALL(PER LETTER)	55	704	MJPCS01	17
SERVICE ELECTRON TUBE CIRCUIT (MECHANICAL)	VARIABLE	72X	SDACSXX	49
SET BOBBIN UP TO WIND	509	78X	SSUBS01	125
SET MEASURING TABLE STOP FOR DESIRED LENGTH	640	728	SJPSS01	103
SET OR RESET RECORDER SPEED DRIVE- MECHANICAL	51	720	SACDS01	91
SET TORQUE WRENCH AND TEST TORQUE	3503	701	SITWS01	17
SET UP AIRCRAFT CONTROL CABLE PROPLADER AND INSTALL EXTENSION CABLE	VARIABLE	709	SSUPSXX	28
SET UP AND DISMANTLE ELECTRICAL-OHM,VOLT, ETC. METER	772	72X	SJPM501	70
SET UP AND DISMANTLE INDICATION DIAL 10/ FROM V BLOCK	437	721	SSUBS01	99
SET UP AND TAKE DOWN METER AND MEGGER	1254	72X	SJPM504	70
SET UP BALANCER GISHOLT MODELS 34V9107 S.UJP AND BEAR 400B2	14420	710	SITBS01	39
SET UP CABLE COILING MACHINE	2360	728	SSUMS01	104
SET UP CABLE STAMPING DIE	2330	728	MSUCM01	103
SET UP CIRCUIT BOARD AND TEST(DIT-M-CO)	VARIABLE	72X	SITTCXX	66
SET UP DRILL GUIDE AND ASICE	VARIABLE	754	SJPGSXX	116



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TNU VALUE	OCCUP- ATION	DWSTDP ELEMENT	PAGE
SET UP FIBERGLASS REPAIR HEAT LAMP TO HEAT CURE	460	704	SJPHS01	110
SET UP MULTI-METER AND ASIDE WITH PERFORM (CONTINUITY OR RESISTANCE CHECK)	1810	704	SJPHS03	70
SET UP PORTABLE-MAGNETIC BASE DRILL	1199	7XX	SJPO901	6
SET UP STAMPING DIE	3000	720	SSUCS01	104
SET UP SWAGER (AIRCRAFT CONTROL CABLE)	2524	709	SSUS02	20
SET UP TEST METER AND DISMANTLE	334	72X	SJPHS02	70
SET UP VARI-DRIVE, ATTAC. AND REMOVE ADAPTER	10100	7XX	SSUVS03	12
SET UP VARI-DRIVE, ATTACH SPLINE AND ADAPTER SPLINE TO SHAFT	3020	7XX	SSUVS01	12
SET UP VARI-DRIVE, REMOVE ADAPTER SPLINE AND SPLINE FROM SHAFT	1476	7XX	SSUVS02	12
SET UP VARI-DRIVE, REMOVE COMPONENT FROM VARI-DRIVE HEAD	14050	7XX	SSUVS04	12
SET UP WHEATSTONE BRIDGE	010	72X	SITBS01	64
SEW CLOTH MATERIAL	VARIABLE	707	NPTMSXX	132
SEW HARDWARE AND WEB STRAP ASSEMBLY TO MATERIAL	2245	707	SPTAS01	133
SEW MATERIAL BY HAND	256	700	MNFM501	126
SEW MATERIAL COUPLING SEAM	VARIABLE	707	NPTSWXX	133
SEW REINFORCING TO SEAM	TABLE	707	TPTRSXX	133
SEW ROPE ENDS	1095	707	SPTRS01	134
SEW SEAM WITH DOUBLE NEEDLE MACHINE	VARIABLE	707	NPTSSXX	132
SEW SOUND PROOFING BLANKET MATERIAL	VARIABLE	739	SPTMSXX	116
SEW STITCH/TACK BY HAND	244	70X	MNFS301	124
SEW WEB STRAP TO MATERIAL	009	707	SPTSS01	134
SLIDE CHASSIS FROM AND INTO CASE, ELECTRONICS ASSEMBLY	VARIABLE	72X	MOHCSXX	71
SLOT HOLE WITH FILE	VARIABLE	705	STLMSXX	21
SNAP TUBE SHIELD ON AND OFF	VARIABLE	72X	SOASSXX	61
SOLDER CONDUIT	31400	720	SHTCS01	103
SOLDER CONDUIT FERRULES AND INSTALL NUTS	7290	720	SOACS01	100
SOLDER LEAD ON PRINTED CIRCUIT BOARD	11000	72X	SWHLS01	04
SOLDER ON UNSOLDER WIRE TO/FROM VARIOUS POINTS	TABLE	72X	SWHWXX	91
SOLDER WIRE TO TERMINAL-PROCESS TIME ONLY	VARIABLE	72X	NPTSTXX	72
SOLDER WIRE TO WIRE-PROCESS TIME ONLY	VARIABLE	72X	NPTSWXX	72
SPLICE WIRE (WITH SOLDER)	1031	72X	SWHVS03	91
SPLICE SOLDERLESS WIRE	633	72X	SWHVS04	91
SPLICE WIRES (NON-SHIELDED WIRE)	VARIABLE	72X	SWHVSXX	90
SPLICE WIRES (SHIELDED WIRE)	VARIABLE	72X	SWHVSXX	08



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	THU VALUE	OCCUP- ATION	DWNSTDP ELEMENT	PAGE
SPRAY ZYGLO SOLUTION ON PART	VARIABLE	709	SITSSXX	27
STAMP CABLE AND APPLY LABEL	1200	728	SIDCS01	101
STAMP CHARACTER(S) IN METAL	VARIABLE	7XX	SIDCSXX	5
STITCH FIBERBOARD CARTON(MACHINE)	VARIABLE	794	NMTCSXX	135
STRAIGHTEN TUBE PINS USING PIN STRAIGHTENER	85	72X	MTLPS01	73
STRETCH COVER OR UPHOLSTERY MATERIAL TO FIT OR TACK	63	780	SOHCS01	127
STRETCH WEBBING INTO POSITION	209	780	MDAWS01	125
STRIP CONDUIT AND INSTALL NUTS	12030	728	SVHCS01	107
STRIP INSULATION	VARIABLE	72X	PHI XX	82
STRIP INSULATION FROM COAXIAL CABLE	VARIABLE	72X	SPCXX	81
STRIP SHIELDED WIRE FROM CABLE,ADD JUMPER	2058	728	SHKX03	106
SWIVEL VISE TO DESIRED WORK POSITION	135	7XX	MJPVS01	4
TAKE DOWN AIRCRAFT CONTROL CABLE SWAGER	1192	709	SSUSS01	28
TAKE OFF TUBE TYPE OSCILLOSCOPE COVER AND PUT ON TUBE TYPE OSCILLOSCOPE COVER	4679	726	SDACT01	100
TAP HOLE	VARIABLE	709	STLMTXX	29
TEAR COTTON BATTING FROM ROLL	463	780	SOHBT01	126
TEST AIRCRAFT CONTROL CABLE	VARIABLE	709	SITCTXX	23
TEST AND EXAMINE CABLE	2440	728	SITCT01	101
TEST BATTERIES AND REPLACE	10700	710	SITBT01	39
TEST CABLE PIN TO PIN-ONE PLUG	1340	728	SITCT03	102
TEST CABLE(PIN TO PIN-TWO PLUGS)	1150	728	SITCT05	102
TEST COAXIAL CABLE INSULATION(AFTER ASSEMBLY)	1050	728	MITCT01	101
TEST COAXIAL CABLE ON PANEL(FINAL)	1088	728	SITCT04	102
TEST COMPONENT IN VACUUM CHAMBER	1636	710	SITCT01	40
TEST COMPONENT WITH MEGGER	1470	72X	SITCT04	65
TEST CURRENT FOR INSTRUMENT CALIBRATION	VARIABLE	72X	SITCTXX	65
TEST DEVICE WITH SIMPSON 2600 CONSOLE	850	72X	SITDT01	65
TEST DEVICE WITH 69/U CONSOLE TEST SET	2420	72X	SITDT02	66
TEST ELECTRIC MOTOR	VARIABLE	721	SITMTXX	99
TEST ELECTRON TUBE	4740	72X	SITTT03	66
TEST END PLAY WITH SHEFIELD END PLAY TESTER	1202	710	SITPT01	40
TEST FREQUENCY	980	72X	SITFT01	66
TEST FREQUENCY PHASE OR MODULATION WITH OSCILLOSCOPE	2200	72X	SITDT03	66
TEST INSTRUMENT FOR LEAKS	1370	710	MITIT02	35
TEST INSTRUMENT(PURGE AND GAS FILL)	2160	710	MITIT04	35
TEST INSTRUMENT(REPAIR ONE LEAK)PER LEAK	1340	710	MITIT03	35



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TIME VALUE	SETUP- TIME	DESCRIPTIVE ELEMENT	PAGE
TEST INSTRUMENT (SEAL PRL TUBE)	1590	710	MITIT05	35
TEST INSTRUMENT (SEAL WITH SOLDERED PLUG)	2750	710	MITIT06	35
TEST INSTRUMENT (SET UP FOR LEAK TEST) BENCH	1370	710	MITIT01	35
TEST INSULATION/HI-POT (WIRE)	VARIABLE	72X	SITITXX	67
TEST PANEL LIGHTS COMPONENT	720	72X	SITCT03	65
TEST POWER OUTPUT	1230	72X	SITOT01	67
TEST REGULATION	2550	72X	SITRT01	62
TEST RESISTANCE	VARIABLE	710	SITRTXX	41
TEST SPRING	VARIABLE	7XX	SITSTXX	5
TEST SPRING	1540	7XX	SITST03	6
TEST TRANSISTOR (THREE LEADS)	VARIABLE	72X	SITTTXX	62
TEST TRIAXIAL CABLE AND CHECK	4578	728	SITCT02	101
TEST VOLTAGE	VARIABLE	72X	SITVTXX	69
THIN RESIN WITH ACETONE FOR GLAZE MIXTURE	199	754	SJPRT01	120
THREAD HAND SEWING NEEDLE	376	78X	SJPNT01	124
THREAD VENETIAN BLIND CORD THRU OPENING IN SLATS	102	739	MDACT01	112
TIE CABLE WITH PLASTIC STRAP (PER STRAP)	810	728	SWMCN02	106
TIE UPHOLSTERING CORC ON SPRING	323	780	MNPCT01	125
TIGHTEN MACHINE TABLE CLAMP	483	704	SSUCL01	18
TIGHTEN THUMB SCREW ON GIB	51	704	MYFSL01	19
TIN HOUSING AND CAPILARGE GYRO MOTOR MATING EDGES	2687	710	SDAHT01	31
TIN SOLDERING IRON	VARIABLE	72X	MJPSTXX	70
TOUCH UP SOLDER CONNECTION	520	72X	SWHST01	87
TURN OVER CHASSIS WITH CARE	161	72X	MDHCT01	71
TURN SINGLE OR TRAIN GEAR TO POSITION, BY HAND	VARIABLE	7XX	SONGTXX	11
TWIST ELECTRICAL CABLE TEST PLUG ENDS	98	728	SITCT06	102
TWIST STRANDED WIRES TOGETHER IN PAIRS	VARIABLE	72X	MWHWTXX	77
TWIST WIRE ON TERMINAL	157	72X	MWHWT05	77
UNBOLT CABLE CLAMP LOCKNUT, BOLT/SCREW AND WASHER	VARIABLE	72X	SCPCUXX	45
UNBUTTON SHIRT PER BUTTON	35	782	MPKSU01	130
UNPAVEL BRAIDED CABLE METAL SHEATH	2444	72X	SWHSU01	88
UNSEAL CYLINDER (LARGE GYRO MOTOR HOUSING)	245	710	SDAHU01	32
UNSEAL GYRO MOTOR HOUSING, TIN MATING EDGES	3766	710	SDAHU01	32
UNSEAL GYRO MOTOR NUT	VARIABLE	710	SCANUXX	33
UNSEAL GYRO MOTOR-MEDIUM HOUSING	6576	710	SDAHU02	32
UNSEAL GYRO-LARGE MOTOR	14270	710	SDAHU01	32



DEFENSE WORK MEASUREMENT STANDARD TIME DATA  
VERB/NOUN INDEX

OPERATION/ELEMENT DESCRIPTION	TMU VALUE	OCCUP- ATION	OWMSTOP ELEMENT	PAGE
UNSEAL GYRO-MEDIUM MOTOR AND SEPARATE INTO SUB-ASSEMBLIES	14677	710	SDAMU02	33
UNSEAL INSTRUMENT WITH INDUCTION HEATER	22470	710	SDAIU04	32
UNSEAL INSTRUMENT WITH IRON	VARIABLE	710	SDAIUXX	32
UNSOLDER AXIAL LEAD, SOLDER, TAG, UNTAG	3967	72X	SWHLU01	84
UNSOLDER GROUND LEAD OR TAB	55	7XX	MPTLS01	11
UNWRAP ELECTRICAL HARNESS TAPE	VARIABLE	72X	SWHMUXX	81
USE FILE TO REMOVE MATERIAL	TABLE	705	TTLFUXX	21
USE HAND REAMER PER 1/4 INCH DEPTH OF HOLE	VARIABLE	709	MTLRUXX	29
USE TIN SNIPS TO CUT SHEET METAL TO 22 GAUGE	VARIABLE	70X	MTLSUXX	17
VERIFY AVIONIC CABLE PARTS AND EXAMINE	440	728	SJFPV01	103
WARM UP CABLE CODING MACHINE	1514	728	MPTCM01	103
WASH ZYGLC SOLUTION FROM PART ON PALLET	VARIABLE	709	MCLSWXX	22
WIPE OFF EXCESS PAINT AFTER STAMPING AND PAINT APPLIED	265	740	MCLPW01	116
WRAP ELECTRICAL HARNESS WITH TAPE	VARIABLE	72X	SWHMWXX	81
WRAP ROPE ENDS WITH TAPE AND CUT TO LENGTH	905	789	SOHRW01	135
WRAP WIRE SPLICE WITH TAPE	VARIABLE	72X	MWHSWXX	76

U.S. GOVERNMENT PRINTING OFFICE: 1978-260-859:105



DEFENSE WORK MEASUREMENT STANDARD TIME DATA PROGRAM  
(DWMSTDP)

PART TWO - BENCH WORK OCCUPATIONS STANDARD TIME DATA

SECTION II - DWMSTDP ELEMENT LISTING



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	7XX	MAA	SLRCCXX	SCLCCXX	VARIABLE	<p>COMPONENT, CLEAN WITH BRUSH AND SOLVENT  STARTS-WITH REACH TO GET PART OR BRUSH  INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN  PART OR BRUSH, DIP BRUSH IN SOLVENT, BRUSH  SOLVENT ONTO PART (BOTH SIDES), ASIDE BRUSH, GET  AIR HOSE, ACTUATE HOSE RUTTON, BLOW OFF BOTH  SIDES, ASIDE HOSE  ENDS-WITH ASIDE HOSE  CONOITIONS-SEE 709 SITPMXX FOR DEFINITIONS  OF SIMPLE, COMPLEX AND VERY COMPLEX PARTS  CASE 01 SIMPLE PART-TO 10 SQUARE FEET  02 COMPLEX PART-TO 10 SQUARE FEET  03 SMALL, VERY COMPLEX PART OR  MISCELLANEOUS SMALL PARTS-TO 3 SQUARE  FEET</p>
					590	
					950	
					4550	
NAA	7XX	MAA	SLRCNXX	SDABIXX	VARIABLE	<p>BEARING OR GEAR, INSTALL  STARTS-WITH REACH TO GET PACKAGE  INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND  UNPACK BEARING OR GEAR, PLACE IN POSITION TO  UNIT AND FIT, INSTALL  ENDS-WITH BEARING OR GEAR IN POSITION OR TOOL  ASIDE  CONDITIONS-APPLIES TO PARTS UP TO 30 POUNDS  CASE 01 UNPACK BEARING OR GEAR  02 INSTALL-HAND FIT  03 INSTALL WITH HAMMER AND BLOCK  04 INSTALL WITH ARBOR PRESS</p>
					520	
					420	
					1270	
					2320	
NAA	7XX	MAA	SLRCRXX	SDABRXX	VARIABLE	<p>BEARING OR GEAR, REMOVE  STARTS-WITH REACH TO GET TOOL OR IMPLEMENT  INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND  POSITION TOOL OR IMPLEMENT TO BEARING OR GEAR,  USE TOOL TO REMOVE BEARING OR GEAR  ENDS-WITH ASIDE UNIT, TOOL AND BEARING OR GEAR  CONDITIONS-APPLIES TO PARTS UP TO 30 POUNDS  CASE 01 REMOVE WITH HAMMER AND PUNCH  02 REMOVE WITH PULLER  03 REMOVE WITH ARBOR PRESS</p>
					1219	
					1700	
					1920	
FFH	7XX	MAA	KERCADA	SDACIXX	VARIABLE	<p>COVER/PANEL (ACCESS), INSTALL AND REMOVE  STARTS-WITH REACH TO UNIT  INCLUDES-ALL THE MOTIONS NECESSARY TO READ THE  T/O, REPOSITION THE SET AND ALIGN, UNFASTEN  DZUS FASTENERS, REMOVE COVER AND ASIDE COVER TO  WORKBENCH, READ T/O, REPOSITION SET, PICK UP  PANEL, PLACE PANEL ON SET, ALIGN PANEL, FASTEN  DZUS FASTENERS, ASIDE TOOLS  ENDS-WITH ASIDE TOOLS OR PANEL/COVER  CONOITONS-APPLIES TO PANEL WITH FOUR DZUS  FASTENERS ONE TO THREE INCHES APART  CASE 01 REMOVE PANEL/COVER  02 INSTALL PANEL/COVER  03 ADD TO CASE 01 OR 02 IF READ T/O IS  REQUIRED</p>
					307	
					421	
					104	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	7XX	MAA	KERKNXX	SDAKIXX	VARIABLE	<p>COMPLETE GEAR/SLEEVE OR COLLAR, REMOVE AND INSTALL WITH PIN OR CLAMP AND SET SCREW STARTS-WITH REACH TO GET PIN OR CLAMP AND SET SCREW INCLUDES-ALL THE MOTIONS NECESSARY TO SET, POSITION PIN TO REMOVE, REMOVE PIN WITH HAMMER AND PUNCH, ALIGN PART TO PIN HOLE, INSTALL PIN WITH HAMMER AND PUNCH-DRILL AND REAMER USED AS REQUIRED ENDS-WITH INSPECT PIN INSTALLATION CONDITIONS-CASES 01,02 AND 03 REQUIRE PLIERS TO HOLD TO INSTALL AND TO REMOVE PIN 2614 CASE 01 REMOVE AND INSTALL SAME TAPERED PIN- 1/4 INCH SHAFT DIAMETER-MULTI-ALIGN PARTS TO 2.5 POUNDS 14537 02 REMOVE PIN,UNPACK NEW PART,DRILL AND REAM PART(3/16 INCH DEEP WITH ELECTRIC DRILL,TAPER REAM WITH T HANDLE TOOL)- APPLIES TO STEEL GEAR,7/16 INCH OUT- SIDE DIAMETER AND 1/4 INCH INSIDE DIA- METER AT HUB-MOUNTED WITH TAPER PIN 9721 03 REMOVE GEAR,UNPACK,DRILL,REAM AND, INSTALL NEW GEAR-ALUMINUM OR BRASS GEAR,7/16 INCH OUTSIDE DIAMETER,1/4 INCH INSIDE DIAMETER AT HUB,MOUNTED WITH TAPER PIN 1297 04 REMOVE AND INSTALL SAME GEAR-LOOSEN AND TIGHTEN ONE BRISTOL HEAD SET SCREW AND REMOVE CLAMP,ALIGN PART,INSTALL WITH CLAMP AND SET SCREW,TIGHTEN SET SCREW(BRISTOL HEAD)-APPLIES TO STEEL, ALUMINUM,BRASS GEAR UP TO AND INCLUD- ING 1/4 INCH INSIDE DIAMETER 1635 05 REMOVE GEAR,UNPACK AND INSTALL NEW GEAR-FASTENED WITH CLAMP AND BRISTOL HEAD SET SCREW-STEEL,ALUMINUM OR BRASS WITH INSIDE DIAMETER UP TO AND INCLUD- ING 1/4 INCH</p>
FFH	7XX	MAA	KERKNXX	SDAKIXX	VARIABLE	<p>KNOB/POINTER,INSTALL WITH NORMAL ACCESS(HAND OR TOOL) STARTS-WITH REACH TO GET KNOB/POINTER INCLUDES-ALL THE MOTIONS NECESSARY TO INSTALL A KNOB ON A SHAFT,GET TOOL WHEN REQUIRED, TIGHTEN SCREW WHEN REQUIRED,ASIDE TOOL ENDS-WITH KNOB SECURE ON SHAFT OR TOOL ASIDE CASE 01 PUSH ON TYPE-NO TOOL REQUIRED 99 02 KNOB WITH ONE COMMON SET SCREW-SCREW- 184 DRIVER REQUIRED-ENDS-WITH TOOL ASIDE 265 03 KNOB WITH TWO COMMON SET SCREWS-SCREW DRIVER REQUIRED-ENDS-WITH TOOL ASIDE 257 04 KNOB WITH ONE ALLEN HEAD SET SCREW- ALLEN WRENCH REQUIRED-ENDS WITH TOOL ASIDE-NORMAL ACCESS 595 05 KNOB WITH TWO ALLEN HEAD SET SCREWS- ALLEN WRENCH REQUIRED-ENDS WITH TOOL ASIDE-NORMAL ACCESS 481 06 KNOB WITH ONE ALLEN HEAD SET SCREW- OBSTRUCTED/RESTRICTED ACCESS-EFFECTIVE WRENCH RADIUS LESS THAN THREE INCHES- 90 DEGREE TURNS 775 07 KNOB WITH TWO ALLEN HEAD SET SCREWS- OBSTRUCTED/RESTRICTED ACCESS-EFFECTIVE WRENCH RADIUS LESS THAN THREE INCHES- 90 DEGREE TURNS</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TWU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	7XX	MAA	KERKNXX	SDAKRXX	VARIABLE	<p>KNOB/POINTER, REMOVE (HAND OR TOOL)  STARTS=WITH REACH TO KNOB OR GET TOOL  INCLUDES=ALL THE MOTIONS NECESSARY TO REMOVE  A KNOB/POINTER FROM A SHAFT BY HAND OR WITH  A TOOL WHEN REQUIRED  ENDS=WITH ASIDE KNOB/POINTER</p> <p>57 CASE 01 KNOB=PULL OFF-FRICTION HELD  165 02 KNOB=SECURED WITH ONE COMMON SET SCREW  246 03 KNOB=SECURED WITH TWO COMMON SET  SCREWS  252 04 KNOB=SECURED WITH ONE ALLEN HEAD SET  SCREW-NORMAL ACCESS  416 05 KNOB=SECURED WITH TWO ALLEN HEAD SET  SCREWS-NORMAL ACCESS  450 06 KNOB=SECURED WITH ONE ALLEN HEAD SET  SCREW=OBSTRUCTED/RESTRICTED ACCESS=  EFFECTIVE WRENCH RADIUS LESS THAN  THREE INCHES=90 DEGREE TURNS  744 07 KNOB=SECURED WITH TWO ALLEN HEAD SET  SCREWS=OBSTRUCTED/RESTRICTED ACCESS=  EFFECTIVE WRENCH RADIUS LESS THAN  THREE INCHES=90 DEGREE TURNS</p>
NAA	7XX	MAA	SLRCN17	SDAMI01	1490	<p>MOUNT(SHOCK), INSTALL  STARTS=WITH REACH TO GET SHOCK MOUNT  INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND  UNWRAP SHOCK MOUNT, POSITION MOUNT TO ASSEMBLY,  INSTALL MOUNT WITH ONE SCREW, ASIDE ASSEMBLY  ENDS=WITH ASIDE ASSEMBLY</p>
NAA	7XX	MAA	SLRCR38	SDAMR01	1170	<p>MOUNT(SHOCK), REMOVE  STARTS=WITH REACH TO GET TOOL  INCLUDES=ALL THE MOTIONS NECESSARY TO GET TOOL  AND REMOVE ONE SCREW, ASIDE TOOL AND SCREW,  REPOSITION ASSEMBLY, REMOVE AND ASIDE SHOCK  MOUNT  ENDS=WITH ASIDE SHOCK MOUNT</p>
FFH	7XX	MAA	KERPLAE	SDAPC01	645	<p>PLUG(CANNON), CONNECT  STARTS=WITH REACH TO GET PLUG  INCLUDES=ALL THE MOTIONS NECESSARY TO GET PLUG  AND MOVE TO PLUG MOUNT, POSITION SLOT, INSTALL,  RUN IN AND TIGHTEN NUT  ENDS=WITH PLUG CONNECTED AND NUT TIGHTEN  CONDITIONS=APPLIES TO NUMBER 24 CANNON PLUG OR  LIKE ITEM=5 TO 10 THREADS</p>
FFH	7XX	MAA	KERPLAF	SDAPC02	989	<p>PLUG(JONES), CONNECT  STARTS=WITH REACH TO GET PLUG  INCLUDES=ALL THE MOTIONS NECESSARY TO GET,  POSITION, INSTALL A JONES PLUG WITH TWO SCREWS  ENDS=WITH ASIDE SCREWDRIVER  CONDITIONS=APPLIES TO A MULTI PIN(MORE THAN  THREE) PLUG WITH TWO SCREWS=FIVE=10 THREADS</p>
FFH	7XX	MAA	KERPLOG	SDAPD01	564	<p>PLUG(CANNON), DISCONNECT  STARTS=WITH REACH TO PLUG NUT  INCLUDES=ALL THE MOTIONS NECESSARY TO UNSCREW  RING NUT AND DISCONNECT PLUG  ENDS=WITH ASIDE PLUG  CONDITIONS=APPLIES TO NUMBER 24 CANNON PLUG OR  LIKE ITEM=5 TO 10 THREADS</p>
FFH	7XX	MAA	KERPLOH	SDAPD02	901	<p>PLUG(JONES), DISCONNECT  STARTS=WITH REACH TO GET SCREWDRIVER  INCLUDES=ALL THE MOTIONS NECESSARY TO GET  SCREWDRIVER, REMOVE TWO SCREWS AND UNPLUG A  JONES PLUG, ASIDE SCREWDRIVER AND PLUG  ENDS=WITH ASIDE PLUG  CONDITIONS=APPLIES TO MULTI=PIN(THREE OR MORE)  PLUG SECURED BY TWO SCREWS=FIVE TO 10 THREADS</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SINIRI E ACTION	OCUP- TION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	7XX	MAA	ITEDI02	SDAPD03	420	PLUG(PULSE CABLE), DISCONNECT STARTS-WITH REACH TO CABLE FITTING INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP FITTING, LOOSEN NUT, SHAKE, REMOVE NUT, DISENGAGE AND ASIDE CABLE ENDS-WITH ASIDE CABLE
AF	7XX	MAA	650	SDAPI01	144	PART(SMALL), INSTALL AND POSITION WITH TWEEZERS STARTS-WITH REACH TO OBTAIN TWEEZERS INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE TWEEZERS INTO CONTAINER, POSITION TO PART AND GRASP WITH TWEEZERS, REMOVE PART FROM CONTAINER AND POSITION TO ASSEMBLY, RELEASE PART IN POSITION ON ASSEMBLY ENDS-WITH RELEASE PART
FFE	7XX	MAA	GMP8AAZ	SDAPI02	179	PLUG(BUTTON) AND GASKET, INSTALL STARTS-WITH REACH TO GET PLUG INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLUG AND CORK GASKET, PUT GASKET ON PLUG AND INSERT IN HOLE AND SEAT ENDS-WITH PLUG SEATED IN HOLE
MAA	7XX	MAA	SLRCR43	SDAPR01	2790	PART OR MODULE, REPLACE STARTS-WITH REACH TO TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE ONE SCREW, ASIDE SCREW AND TOOL, REMOVE AND ASIDE PART OR MODULE, GET WRAPPED PART OR MODULE, UNWRAP, ASIDE WRAPPING, POSITION PART OR MODULE FOR INSTALLATION, GET SCREW AND TOOL, INSTALL ONE SCREW AND ASIDE TOOL ENDS-WITH ASIDE TOOL
FFE	7XX	MAA	GMP8AD3	SDAPR02	153	PLUG(BUTTON), REMOVE STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND PRY PLUG OUT, ASIDE PLUG AND TOOL ENDS-WITH ASIDE PLUG CONDITIONS-WEDGE TYPE TOOL
FFE	7XX	MAA	GTFPDD1	SDAPR03	587	PART(THREADED-STAKED), REMOVE STARTS-WITH REACH TO PRESS HANDLE INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP PRESS HANDLE, LOWER RAM 1/2 INCH, MOVE HANDLE TO ALIGN DRIVER, LOWER RAM AND DRIVE BIT, GET LEVER AND LOOSEN PART, RAISE PRESS ARM, GET AND ASIDE THREADED PART ENDS-WITH ASIDE PART CONDITIONS-PART REMOVED HAS UP TO 10 THREADS- DOES NOT INCLUDE SET-UP OR TAKE DOWN FROM PRESS FIXTURE
FFH	7XX	TUL	KERPTLA	MIDPLO1	91	POINT(ON CHASSIS OR TERMINAL BOARD), LOCATE/ FIND STARTS-WITH EYES LOOKING IN GENERAL AREA INCLUDES-PROCESS TIME TO SEARCH AND SELECT A SPECIFIC POINT ON A CHASSIS OR TERMINAL BOARD ENDS-WITH EYES FOCUSED ON POINT CONDITIONS-DOES NOT INCLUDE EYE TRAVEL TO UNIT-APPLIES TO LOCATION OF SPECIFIC POINT, AXIAL LEAD PART, TERMINAL OR TUBE, ETC.
FFH	7XX	TAA	KERLPAA	MIDPLO2	143	POINT, LOCATE ON CHASSIS OR TERMINAL BOARD STARTS-WITH EYE TRAVEL TO UNIT INCLUDES-ALL THE MOTIONS NECESSARY FOR EYES TO TRAVEL FROM UNIT TO INSTRUCTIONS AND BACK TO UNIT(15 INCHES FROM EYES), SEARCH AND SELECT A SPECIFIC POINT ON UNIT ENDS-WITH EYES FOCUSED ON POINT CONDITIONS-APPLIES TO THE LOCATION OF A SPECIFIC POINT, TUBE, TERMINAL, AXIAL LEAD PART, ETC.



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	7XX	MAA	OIDMSXX	SIDCSXX	VARIABLE	CHARACTER(S), STAMP IN METAL STARTS-WITH REACH TO BOX OF METAL STAMPS INCLUDES-ALL THE MOTIONS NECESSARY TO GET BOX OF STAMPS, SELECT STAMP, POSITION TO USE, GET HAMMER, STRIKE STAMP, INSPECT MARK, ASIDE HAMMER AND RETURN STAMP TO BOX ENDS-WITH STAMP IN BOX, HAMMER ASIDE CASE 01 STAMP FIRST CHARACTER 02 STAMP EACH ADDITIONAL CHARACTER (IN SERIES OF DIFFERENT CHARACTERS) 03 STAMP ADDITIONAL REPETITIVE CHARACTERS -EACH
					245	
					176	
					91	
FFD	7XX	MAA	KEROTXX	MITGRXX	VARIABLE	GAUGE/METER, READ STARTS-WITH EYE TRAVEL TO METER OR GAUGE INCLUDES-ALL THE MOTIONS NECESSARY FOR EYES TO TRAVEL TO AND FOCUS ON GAUGE/METER, READ DIGITS AND RECORD WHEN NECESSARY ENDS-WITH READ LAST DIGIT OR READ AND RECORD CASE 01 READ THREE TO FIVE DIGITS-TO 15 INCHES FROM EYES-DO NOT RECORD 02 READ ZERO TO 10 INCREMENTS ON SCALE GAUGE-TO 15 INCHES FROM EYES-READ AND RETAIN FIGURE-DO NOT RECORD 03 READ THREE TO FIVE DIGITS-TO 15 INCHES FROM GAUGE-RECORD DIGITS 04 READ DIGITAL COUNTER-INCLUDES PROCESS TIME TO RECYCLE-READ TO 15 INCHES FROM EYES 05 READ DIGITAL COUNTER AND RECORD READ- INGS-ZERO TO 5 DIGITS-INCLUDES PROCESS TIME TO RECYCLE-TO 15 INCHES FROM DIGITS TO EYES
					52	
					80	
					167	
					101	
					216	
NAA	7XX	MAA	SLRCIXX	SITCCXX	VARIABLE	COMPONENT, CLEAN AND INSPECT STARTS-WITH REACH TO BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO GET BRUSH AND BRUSH PART (INTERNAL), REPOSITION PART WHEN REQUIRED, ASIDE BRUSH, EXAMINE PART ENDS-WITH INSPECTION COMPLETE, BRUSH ASIDE CONDITIONS-SEE 709 SITPMXX FOR DEFINITIONS OF SIMPLE, MODERATE AND COMPLEX PARTS CASE 01 SIMPLE PART-16 TWO-INCH BRUSH STROKES- EXAMINE 10 FOCAL AREAS 02 MODERATE PART-48 TWO-INCH BRUSH STROKES-EXAMINE 20 FOCAL AREAS 03 COMPLEX PART-100 TWO-INCH BRUSH STROKES-EXAMINE 40 FOCAL AREAS
					700	
					1600	
					3720	
NAA	7XX	MAA	SFSSTOI	SITSTXX	VARIABLE	SPRING, TEST STARTS-WITH REACH TO CRANK INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND TURN CRANK TO OPEN TEST UNIT TO LENGTH OF SPRING, GET AND PLACE SPRING OVER ALIGNMENT PIN, GET AND ZERO WEIGHT GAUGE, CHECK POINTER, LOWER COMPRESSION HEAD WITH CRANK AND POSITION HEAD ON SPRING, READ SCALE, LOWER COMPRESSION HEAD AGAIN, READ GAUGE, REPEAT, RAISE COMPRESSION HEAD, GET AND ASIDE SPRING ENDS-WITH ASIDE SPRING CONDITIONS-SPRING TO THREE INCHES CASE 01 FIRST OR SINGLE SPRING 02 EACH ADDITIONAL SPRING
					1109	
					882	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	7XX	MAA	SESST01	SITST03	1540	<p>SPRING,TEST</p> <p>STARTS-WITH REACH TO GET SPRING</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET SPRING,GET AND MOVE SHIELD,PLACE SPRING IN POSITION,PLACE SHIELD ON GAUGE,GET AND TURN COARSE AND FINE ADJUSTMENT CRANK,READ SCALE,READ PRESSURE GAUGE SCALE,TURN CRANK TO RELEASE SPRING,GET AND MOVE SHIELD,GET SPRING, PLACE SHIELD ON GAUGE,ASIDE SPRING</p> <p>ENDS-WITH ASIDE SPRING</p> <p>CONDITIONS-TEST SPRING FOR COLLAPSED LENGTH AND PRESSURE-SPRING TO SIX INCHES LENGTH AND 500 POUNDS LOAD</p>
NAA	7XX	MAA	SLREJ01	MJPEPXX VARIABLE	223 234	<p>EYE LOUPE(FRAME/EYE HELD),PREPARE TO USE</p> <p>STARTS-WITH REACH TO GET EYE LOUPE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET EYE LOUPE,POSITION TO EYEGGLASS FRAME OR TO EYE, GET LENSE PAPER,CLEAN LENSE,CRUMPLE AND ASIDE PAPER,ASIDE EYE HELD LOUPE TO BENCH,ROTATE FRAME HELD LOUPE UP</p> <p>ENDS-WITH EYE HELD LOUPE ASIDE TO BENCH,FRAME CASE 01 FRAME HELD EYE LOUPE 02 EYE HELD EYE LOUPE</p>
NO	7XX	MAO	LB18-1	MJPPP01	143	<p>PROTECTORS(VISE JAW),PLACE</p> <p>STARTS-WITH REACH TO GET EYE LOUPE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET PROTECTORS,POSITION PROTECTORS ON VISE JAWS, RELEASE PROTECTORS</p> <p>ENDS-WITH RELEASE OF SECOND PROTECTOR ON JAW</p>
NO	7XX	MAO	LB1W	MJPVS01	135	<p>VISE,SWIVEL TO DESIRED WORK POSITION</p> <p>STARTS-WITH REACH TO LOCK BAR</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP TURN BAR TO BREAK LOCK,LOOSEN,RELEASE BAR AND GRASP VISE,MOVE TO DESIRED POSITION,RELEASE AND GRASP LOCK BAR,TIGHTEN,RELEASE BAR</p> <p>ENDS-WITH RELEASE LOCK BAR</p> <p>CONDITIONS-UP TO FOUR INCH JAWS</p>
AF	7XX	MAW	1628-38	SJPPD01	451	<p>DRILL(PORTABLE),PREPARE TO USE</p> <p>STARTS-WITH TURN TO PICK UP TOOL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP TOOL,SLIDE TO EDGE OF BENCH,PICK UP,PUT DOWN ON TABLE,UNWIND CORD FROM AROUND TOOL,PLUG INTO OUTLET,GRASP MACHINE</p> <p>ENDS-WITH MACHINE READY FOR USE</p> <p>CONDITIONS-DOES NOT INCLUDE WALK TO GET TOOL OR WALK WITH TOOL TO WORK AREA</p>
NO	7XX	MAO	LPA-K46	SJPOS01	1199	<p>DRILL(PORTABLE-MAGNETIC BASE),SET UP</p> <p>STARTS-WITH REACH TO GET CABLE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP CABLE FROM STORAGE,PLUG IN BOTH ENDS,PICK UP MAGNETIC BASE PORTABLE DRILL,PLACE DRILL IN WORK AREA AND RELEASE,PICK UP TOOL AND KEY, POSITION TOOL IN CHUCK AND ASIDE KEY,GET KEY AND REMOVE TOOL FROM CHUCK(JACOBS),RETURN TOOL TO STORAGE</p> <p>ENDS-WITH TOOL RETURNED TO STORAGE</p> <p>CONDITIONS-DOES NOT INCLUDE WALK TO GET AND RETURN TOOL,CABLE OR DRILL</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	7XX	MAA	SPSSMO1	SJMPXX	VARIABLE	<p>MOTOR(AIR), PREPARE FOR USE, ASIDE</p> <p>STARTS=WITH REACH TO GET HOSE</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GET HOSE AND HOOK TO MOTOR, INSTALL AND REMOVE TOOL IN AIR MOTOR, UNHOOK HOSE AND ASIDE, ASIDE MOTOR</p> <p>ENDS=WITH REMOVE TOOL FROM MOTOR AFTER FINISH OF JOB</p> <p>CONDITIONS=WALKING TO GET TOOLS AND CUTTING TIME NOT INCLUDED</p> <p>740 CASE 01 FIRST OR SINGLE TOOL USED</p> <p>550 02 EACH ADDITIONAL TOOL USED</p>
FFE	7XX	MAA	GSCSIXX	SLULAXX	VARIABLE	<p>LUBRICANT, APPLY TO GASKET/"O"RING</p> <p>STARTS=WITH REACH TO GET LUBRICANT TUBE, PART ON TABLE</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GET LUBE TUBE, REMOVE CAP, ASIDE CAP, PLACE TUBE TO SPOT AND APPLY LUBRICANT, REPLACE CAP ON TUBE, ASIDE. PICK UP GASKETS, SPREAD LUBRICANT WITH FINGERS. ASIDE RING/GASKET</p> <p>ENDS=WITH ASIDE GASKET/"O"RING</p> <p>395 CASE 01 GASKET/RING=TO ONE INCH IN DIAMETER</p> <p>462 02 GASKET/RING=ONE TO TWO INCHES IN DIAMETER</p> <p>529 03 GASKET/RING= TWO TO THREE INCHES IN DIAMETER</p> <p>596 04 GASKET/RING=THREE TO FOUR INCHES IN DIAMETER</p>
NAA	7XX	MAA	OLUCS12	SLULA05	243	<p>LUBRICANT, APPLY TO SPOT WITH HYPODERMIC SYRINGE</p> <p>STARTS=WITH REACH TO GET SYRINGE</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GET SYRINGE, WIPE NEEDLE WITH FINGERS, MOVE HYPO TO WORK, APPLY LUBRICANT, SPREAD, CHECK WORK, ASIDE SYRINGE</p> <p>ENDS=WITH SYRINGE ASIDE</p> <p>CONDITIONS=APPLY TWO DROPS TO EACH SPOT</p>
FFE	7XX	MAA	GSCLAE2	SLUDAXX	VARIABLE	<p>OIL(LIGHT), APPLY WITH SYRINGE</p> <p>STARTS=WITH SYRINGE IN HAND</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO PLACE NEEDLE TO SPOT TO APPLY OIL, PUSH PLUNGER TO APPLY ONE DROP OF OIL</p> <p>ENDS=WITH SYRINGE IN HAND</p> <p>112 CASE 01 APPLY FIRST DROP= EACH ADDITIONAL SPOT</p> <p>64 02 APPLY EACH ADDITIONAL DROP=FIRST SINGLE OR ADDITIONAL SPOT</p>
FFE	7XX	MAA	GSCLAE1	SLUSF01	784	<p>SYRINGE(HYPODERMIC), FILL WITH LIGHT OIL</p> <p>STARTS=WITH REACH TO OIL CONTAINER</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND OPEN OIL CONTAINER, GET SYRINGE AND NEEDLE, ASIDE NEEDLE, INSERT SYRINGE INTO OIL, PULL PLUNGER TO FILL SYRINGE, REMOVE SYRINGE FROM CONTAINER, GET NEEDLE AND ATTACH TO SYRINGE, GET WIPER AND WIPE OIL FROM SYRINGE, ASIDE WIPER AND SYRINGE, CLOSE AND ASIDE CONTAINER</p> <p>ENDS=WITH ASIDE OIL CONTAINER</p> <p>CONDITIONS=CONTAINER IS GLASS JAR, TO 10 POUNDS</p>
FFD	7XX	MAA	GECHCP3	MNFC101	95	<p>COVER(PROTECTIVE-CLAMP ON TYPE), INSTALL ON PART</p> <p>STARTS=WITH COVER(PROTECTOR) IN HAND</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO PLACE COVER ON PART, PLACE ONE HAND NEAR BUCKLE AND GRASP BUCKLE WITH OTHER HAND, HOOK AND FASTEN BUCKLE, RELEASE BOTH HANDS</p> <p>ENDS=WITH COVER IN PLACE, FASTENED AND RELEASED</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFD	7XX	MAA	GECMCP4	MNFC102	116	COVER(PROTECTIVE-EXPANDABLE BAND TYPE),INSTALL ON PART STARTS-WITH REACH TO GET COVER INCLUDES-ALL THE MOTIONS NECESSARY TO GET COVER,MOVE COVER TO AND PLACE ON PART WAY ON PART,STRETCH BAND AND MOVE COVER ONTO PART, RELEASE COVER ENDS-WITH COVER RELEASED IN PLACE
FFD	7XX	MAA	GECMCPZ	MNFCR01	78	COVER(PROTECTIVE-CLAMP ON TYPE),REMOVE FROM PART STARTS-WITH REACH TO LATCH ON PROTECTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND OPEN LATCH WITH THUMB,UNHOOK LATCH, DIS- ENGAGE PROTECTOR FROM PART AND ASIDE ENDS-WITH PROTECTOR ASIDE
AF	7XX	MAA	493	MNFPBXX	VARIABLE	PIN,BEND WITH PLIERS STARTS-WITH PLIERS IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE PLIERS TO AND POSITION ON PIN/PRONG/TAB,CLOSE PLIERS TO HOLD OBJECT,TURN PLIERS TO BEND 90 DEGREES,OPEN PLIERS AND REPOSITION ON OBJECT, FINAL SECURE OBJECT WITH PLIERS ENDS-WITH RELAX GRIP CONDITIONS-OBJECT UP TO 1/8 INCH DIAMETER OR THICKNESS CASE 01 BEND FIRST OR SINGLE PIN 02 BEND EACH ADDITIONAL PIN
					192 156	
FFE	7XX	MAA	KERCHXX	MOHCCXX	VARIABLE	COVER(HINGED),CLOSE STARTS-WITH REACH TO COVER INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP COVER,MOVE TO CLOSED POSITION,APPLY PRESSURE TO SEAT ENDS-WITH COVER SEATED CONDITIONS-DOES NOT INCLUDE INSTALLATION OF FASTENERS CASE 01 CLOSE HINGED COVER-TO 2.5 POUNDS 02 CLOSE HINGED COVER-2.5 TO 20 POUNDS
					58 89	
FFE	7XX	MAA	KENCHXX	MOHC101	255	COVER(HINGED-PIN TYPE),INSTALL AND CLOSE STARTS-WITH REACH TO COVER INCLUDES-ALL MOTIONS NECESSARY TO GET AND PLACE COVER CASE,MOVE AND ALIGN HINGES TO PINS AND MOVE COVER ONTO PINS,SEAT COVER,CLOSE COVER ENDS-WITH COVER CLOSED CONDITIONS-COVER WEIGHS TO 2.5 POUNDS,UNIT WEIGHS TO 40 POUNDS,TIME TO FASTEN NOT INCLUDED
FFE	7XX	MAA	KERCHXX	MOHCOXX	VARIABLE	COVER,OPEN STARTS-WITH REACH TO COVER INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP COVER AND MOVE TO OPEN POSITION OR ASIDE ENDS-WITH COVER IN OPEN POSITION OR ASIDE CONDITIONS-DOES NOT INCLUDE LOOSEN OR REMOVE FASTENERS CASE 01 OPEN COVER-UP TO 2.5 POUNDS(HINGED) 02 OPEN COVER-2.5 TO 20 POUNDS(HINGED) 03 OPEN AND REMOVE COVER(PIN TYPE)-2.5 POUNDS
					52 87 238	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	7XX	MAA	KERCCAX	MOHCPXX	VARIABLE	COVER(WRAP AROUND OR CAP SHAPED), PLACE ON UNIT STARTS-WITH REACH TO ITEM TO POSITION INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN AND PLACE COVER ON UNIT BY HAND ENDS-WITH COVER IN PLACE CONDITIONS-CAP TYPE, RECTANGULAR SHAPE WITH UP TO 1.5-INCH DEPTH, WRAP AROUND TYPE, MINIMUM OF THREE SIDES 90 DEGREES TO ADJACENT SIDE, UP TO SIX-INCH DEPTH, 20 INCHES SURFACE DIMENSION. INSTALLATION OF THREADED FASTENERS NOT INCLUDED IN EITHER CASE-UNIT WEIGHS UP TO 40 POUNDS CASE 01 NORMAL ACCESS 02 DIFFICULT OR OBSTRUCTED ACCESS
					248 326	
FFH	7XX	MAA	KERCCXX	MOHCRXX	VARIABLE	COVER(WRAP AROUND OR CAP SHAPED), REMOVE FROM UNIT/ITEM STARTS-WITH REACH TO UNIT/ITEM TO REPUSITION INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE COVER FROM UNIT/ITEM BY HAND ENDS-WITH ASIDE COVER CONDITIONS-CAP TYPE COVER, RECTANGULAR SHAPED WITH UP TO 1.5 INCH DEPTH, WRAP AROUND TYPE MINIMUM OF THREE SIDES 90 DEGREES TO ADJACENT SIDE, UP TO SIX INCH DEPTH, 20 INCHES SURFACE DIMENSION-REMOVAL OF THREADED FASTENERS NOT INCLUDED CASE 01 REMOVE-NORMAL ACCESS 02 REMOVE-DIFFICULT OR OBSTRUCTED ACCESS
					142 269	
MAA	7XX	TAA	OOHOEXX	MOHODXX	VARIABLE	OBJECT, DISENGAGE STARTS-WITH REACH TO OBJECT OR TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN CONTROL WITH HAND(S) OR TOOL WHEN TOOL IS AN EXTENSION OF THE HAND(S) AND LOOSENING AND EXTRACTING OR REMOVING ONE OBJECT FROM ANOTHER ENDS-WITH ASIDE TOOL AND/OR OBJECT CONDITIONS-TOOLS INCLUDED ARE A PUTTY KNIFE, SCREWDRIIVER, PLIERS OR SIMILAR USED TO OVERCOME THE LIMITATIONS OF HAND OR FINGER DEXTERITY, ACCESS OR STRENGTH-MAY BE USED WITH SLIGHT TO CONSIDERABLE EFFORT-USE OF HAMMER NOT INCLUDED CASE 01 VERY EASY-NO STOOPING OR BENDING-0 TO 3 POUNDS-UNOBSTRUCTED-VISIBLE-EASY TO HANDLE-OBJECT WITHIN 18 INCHES 02 EASY-NO STOOPING OR BENDING-3 TO 10 POUNDS-SOME INTERFERENCE, OBJECT WHOLLY VISIBLE OR NO INTERFERENCE, PARTLY VISIBLE-LOOSE FIT, DIFFICULT TO HANDLE- OBJECT WITHIN 30 INCHES 03 MODERATE-STOOP OR BEND REQUIRED-10 TO 25 POUNDS-INTERFERENCE, OBJECT PARTLY VISIBLE-CLOSE FIT IF APPLICABLE-OBJECT WITHIN 4 FEET 04 DIFFICULT-STOOP OR BEND REQUIRED-25 TO 50 POUNDS-INTERFERENCE, OBJECT NOT VISIBLE OR ONLY PARTLY VISIBLE-FIT IS EXACT IF APPLICABLE-OBJECT WITHIN 6 FEET 05 VERY DIFFICULT-STOOP OR BEND REQUIRED- OVER 50 POUNDS-OBSTRUCTED AND NOT VISIBLE-DIFFICULT POSITION IF FIT APPLICABLE(MULTIPLE AND/OR NON SYMME- TRICAL, DIFFICULT POSITIONS)-OBJECT WITHIN 8 FEET
					70 120 220 400 700	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	7XX	MAA	KERCFXX	MOHPXX	VARIABLE	PLATE(FLAT ACCESS COVER), INSTALL AND REMOVE STARTS-WITH REACH TO REPOSITION UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO INSTALL AND/OR REMOVE A FLAT ACCESS COVER PLATE ON/ FROM A UNIT ENDS-WITH PLATE INSTALLED OR ASIDED CONDITIONS-DOES NOT INCLUDE INSTALLATION OR REMOVAL OF FASTENERS-PLATE WEIGHS UP TO 2.5 POUNDS-UNIT WEIGHS UP TO 40 POUNDS CASE 01 INSTALL PLATE-NORMAL ACCESS 02 REMOVE PLATE-NORMAL ACCESS 03 INSTALL PLATE-DIFFICULT OR OBSTRUCTED ACCESS 04 REMOVE PLATE-DIFFICULT OR OBSTRUCTED ACCESS
					248	
					142	
					320	
					196	
NAA	7XX	MAA	OOHPOXX	MOHPPXX	VARIABLE	PART, PLACE IN HOLE STARTS-WITH REACH TO GET PART INCLUDES-ALL THE MOTIONS NECESSARY TO RELATE AND POSITION PART TO HOLE BY ALIGNING, ORIENTING AND ENGAGING ENDS-WITH PART IN HOLE AND RELEASED CONDITIONS-DOES NOT INCLUDE FASTENING OR SECURING-DOES NOT INCLUDE EXTREMELY PRECISE OR MINUTE OPERATIONS REQUIRING HIGH SKILL CASE 01 VERY EASY ACCESS TO HOLE-TO 3 POUNOS 02 EASY ACCESS TO HOLE-3 TO 10 POUNDS
					120	
					250	
FFH	7XX	MAA	KERCBXX	SOHCPXX	TABLE	COVER(BOX TYPE), PLACE ON UNIT STARTS-WITH REPOSITION UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION UNIT, ALIGN COVER AND INSTALL ENDS-WITH COVER IN PLACE CONDITIONS-DOES NOT INCLUDE TIME TO INSTALL FASTENERS-COVER DEPTH IS UP TO 24 INCHES
						WEIGHT OF UNIT (POUNDS)      WEIGHT OF COVER(POUNDS) 0-2.5      2.5-20 A      B
						0-40 POUNDS NORMAL ACCESS      A      285 OBSTRUCTED ACCESS      B      363
						40-80 POUNDS NORMAL ACCESS      C      490 OBSTRUCTED ACCESS      D      640
						80-130 POUNDS NORMAL ACCESS      E      679 OBSTRUCTED ACCESS      F      829
FFH	7XX	MAA	KERCBXX	SOHCRXX	TABLE	COVER(BOX TYPE), REMOVE FROM UNIT STARTS-WITH REACH TO UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE AND ASIDE COVER ENDS-WITH COVER ASIDE CONDITIONS-DOES NOT INCLUDE REMOVAL OR UNLOCK- ING FASTENERS-COVER DEPTH IS TO 24 INCHES
						WEIGHT OF UNIT (POUNDS)      WEIGHT OF COVER(POUNDS) 0-2.5      2.5-20 A      B
						0-40 POUNDS NORMAL ACCESS      A      179 OBSTRUCTED ACCESS      B      304
						40-80 POUNDS NORMAL ACCESS      C      377 OBSTRUCTED ACCESS      D      507
						80-130 POUNDS NORMAL ACCESS      E      566 OBSTRUCTED ACCESS      F      696



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	7XX	MAA	KERAGXX	SOHGTXX	VARIABLE	GEAR(SINGLE OR TRAIN),TURN TO POSITION,BY HAND STARTS-WITH REACH TO GEAR AND SET INCLUDES-ALL THE MOTIONS NECESSARY TO TURN GEAR 180 DEGREES AND POSITION LOOSE ENDS-WITH GEAR IN POSITION CASE 01 SINGLE OR INDIVIDUAL-TURN 180 DEGREES- EASY 70 123 312 02 TRAIN-TURN 360 DEGREES-2.5 TO 10 POUND WEIGHT FACTOR-EASY ACCESS 03 TRAIN-TURN 360 DEGREES-2.5 TO 10 POUND WEIGHT FACTOR-DIFFICULT ACCESS
FFH	7XX	MAA	KEREPXX	SOHPRXX	VARIABLE	PART(MATING),REMOVE AND INSTALL STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO READ T/O AND LOCATE POINT ON CHASSIS,ALIGN AND INSTALL SLOT AND PIN MATING PART,REACH TO PART,UNLOCK AND REMOVE FROM SOCKET,ASIDE ENDS-WITH COMPONENT INSTALLED OR ASIDE 381 350 277 246 CASE 01 INSTALL-MATING SLOTS/PINS-READ T/O 02 REMOVE-MATING SLOTS/PINS-READ T/O 03 INSTALL-MATING SLOTS/PINS-NO T/O 04 REMOVE-MATING SLOTS/PINS-NO T/O
FFE	7XX	MAA	GMPAM01	SOHPRO5	83	PART(SINGLE ALIGN),REMOVE PART OUT OF HOLE OR OFF STUD STARTS-WITH REACH FOR PART INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE A PART BY PULLING AND/OR TWISTING ENDS-WITH ASIDE PART CAREFULLY CONDITIONS-APPLIES TO PARTS UP TO 7.5 POUNDS WITH PULLING AND TWISTING REQUIRED
FFE	7XX	MAA	GSCSAA1	MPAGAXX	VARIABLE	GLYPTAL/DOPE,APPLY TO SCREW OR NUT STARTS-WITH REACH TO GET CONTAINER OF GLYPTAL OR DOPE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND OPEN CONTAINER,GET APPLICATOR STICK AND DIP INTO GLYPTAL/DOPE,APPLY TO SPOT,GET WIPER, WIPE STICK,ASIDE WIPER,STICK AND GLYPTAL/DOPE ENDS-WITH ASIDE CONTAINER 522 126 CASE 01 FIRST OR SINGLE SCREW OR NUT 02 EACH ADDITIONAL SCREW OR NUT
FFH	7XX	TBA	KERPTSB	MPTLS01	95	LEAD(GROUND)OR TAB,SOLDER OR UNSOLDER STARTS-WITH SOLDER IRON CONTACT INCLUDES-ALL THE TIME NECESSARY TO HEAT AREA AND LEAD/TAB TO SOLDER MELTING TEMPERATURE AND SOLDER/UNSOLDER/TIN PART ENDS-WITH IRON REMOVED CONDITIONS-ANY SINGLE LEAD OR TAB OR U40 CHASSIS WITH 100 WATT IRON
FFH	7XX	MAA	KERJIXX	MROTRXX	VARIABLE	TECHNICAL ORDER(OUT LINE/RECAP),READ STARTS-WITH EYES IN PLACE BUT NOT FOCUSED INCLUDES-ALL THE MOTIONS NECESSARY TO READ DATA WHICH DESCRIBES A JOB THAT IS FAMILIAR TO THE READER AND INCLUDES NECESSARY RE-READ ENDS-WITH READER UNDERSTANDING JOB AND HOW TO PERFORM IT CONOTIONS-LIMITED TO READING OF WRITTEN T/O FOR MODIFICATION 97 129 104 CASE 01 READ DATA IN COLUMN 02 READ SENTENCE 03 READ COLUMN AND SENTENCE-81 PERCENT COLUMN-19 PERCENT SENTENCE



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA ELEMENT	GROUP NUMBER	QUALITY GRADE	SOURCE CODE	WORK ELEMENT	TIME VALUE	OPERATION ELEMENT DESCRIPTION
NAA	7XX	MAA	CLRPT07	SSUVS01	3028	VARI-DRIVE,SET UP,ATTACH SPLINE AND ADAPTER SPLINE TO SHAFT STARTS-WITH LOCATE SPLINE INCLUDES-ALL MOTIONS NECESSARY TO LOCATE SPLINE,POSITION SPLINE TO VARI-DRIVE SHAFT, CHECK FOR PROPER SEATING,RUN IN AND TIGHTEN ALLEN SCREWS,CHECK SPLINE FOR SECURITY;LOCATE SPLINE,MOVE TO VARI-DRIVE,CHECK FIT ON COMPONENT,REMOVE FROM COMPONENT,INSTALL TO VARI-DRIVE ENDS-WITH ADAPTER SPLINE INSTALLED
NAA	7XX	MAA	CLRPT07	SSUVS02	1476	VARI-DRIVE,SET UP,REMOVE ADAPTER SPLINE AND SPLINE FROM SHAFT STARTS-WITH REACH TO SPLINE INCLUDES-ALL MOTIONS NECESSARY TO DISENGAGE ADAPTER SPLINE AND ASIDE IN STORAGE AREA,GET ALLEN WRENCH,REMOVE ALLEN SCREWS,REMOVE SPLINE AND ASIDE TO STORAGE AREA ENDS-WITH ASIDE SPLINE
NAA	7XX	MAA	CLRPT07	SSUVS03	10180	VARI-DRIVE,SET UP,ATTACH AND REMOVE ADAPTER STARTS-WITH GET ADAPTER INCLUDES-ALL MOTIONS NECESSARY TO MOVE ADAPTER AND POSITION TO VARI-DRIVE HEAD,REMOVE AND INSTALL NUTS;REMOVE NUTS,REMOVE ADAPTER,ASIDE TO STORAGE,INSTALL NUTS ENDS-WITH NUTS INSTALLED
NAA	7XX	MAA	CLRPT07	SSUVS04	14850	VARI-DRIVE,SET UP,ATTACH AND REMOVE COMPONENT TO/FROM VARI-DRIVE HEAD STARTS-WITH MOVE COMPONENT TO VARI-DRIVE HEAD INCLUDES-ALL MOTIONS NECESSARY TO MOVE AND ORIENT COMPONENT,POSITION COMPONENT TO SPLINE AND ADAPTER,INSTALL HOLD DOWN NUTS,REMOVE HOLD DOWN NUTS,CHECK ALIGNMENT AND SECURITY;REMOVE NUTS,REMOVE COMPONENT,ASIDE TO CART OR STANO, INSTALL NUTS ENDS-WITH COMPONENT ASIDE,NUTS INSTALLED
FFE	7XX	MAA	GTFFMAX	MTFPPXX	VARIABLE	PART,PREPARE FOR MOUNTING STARTS-WITH PART IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE A PART IN POSITION TO GRASP NUT/SCREW,REMOVE AND ASIDE NUT/SCREW AND WASHER ENDS-WITH NUT OR SCREW ASIDE CONDITIONS-SMALL PART TO 2-1/2 POUND-FASTENERS LOOSELY ATTACHED,MUST BE REMOVED BEFORE PART CAN BE INSTALLED-REMOVE BY HAND CASE 01 ONE FASTENER 02 TWO FASTENERS 03 THREE FASTENERS 04 FOUR FASTENERS
FFE	7XX	MAA	GTFFHRL	STFPRO1	375	PART(THREADED),REPLACE BY HAND(UNPACK NEW PART) STARTS-WITH REACH TO PART INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE THREADED FASTENER BY HAND,ASIDE,GET NEW PART PACKAGE,UNPACK,ASIDE PACKAGE,INSTALL NEW PART BY HAND ENDS-WITH CHECK INSTALLATION CONDITIONS-APPLICABLE TO THREADED PART SUCH AS LIGHT BULB,DUST CAP,INDICATOR LIGHT LENS,MING NUT,ETC.-THREAD DIAMETER 1/4 TO 3/4 INCHES AVERAGE OF 7 THREADS

107  
205  
303  
401



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	7XX	MAA	GTFPHR2	STFPRO2	235	PART(THREADED),REPLACE BY HAND STARTS-WITH REACH TO PART IN UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE THREADED PART BY HAND,ASIDE,PICK UP SAME OR NEW PART,INSTALL PART BY HAND,VISUALLY CHECK INSTALLATION ENDS-WITH CHECK INSTALLATION CONDITIONS-APPLICABLE TO THREADED PARTS SUCH AS LIGHT BULBS,DUST CAP,INDICATOR LIGHT LENS, WING NUT,ETC.-AVERAGE SEVEN THREADS=THREAD DIAMETER 1/4 TO 3/4 INCHES
NF	7XX	MAF	2983	MTLPRO1	208	PLATE(COVER),REPLACE STARTS-WITH SCREWDRIVER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO USE SCREWDRIVER TO PRY COVER OFF,PLACE SCREWDRIVER ASIDE,PICK UP PLATE(COVER)AND REPLACE ENDS-WITH RELEASE PLATE(COVER)IN PLACE
NAA	7XX	MAA	SLRCN20	STLAIXX	VARIABLE	ADAPTER AND PLUG,INSTALL STARTS-WITH REACH TO GET SHIM SET INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION SHIM SET AS REQUIRED,INSTALL ADAPTER AND PLUG WITH FOUR SCREWS,ASIDE TOOL ENDS-WITH ASIDE TOOL CONDITIONS-UP TO 3/8 INCH SCREW/BOLT-NC-NF-CAP SCREW OR NUT ON STUD CASE 01 APPLY SHIM 100 PERCENT 02 APPLY SHIM 50 PERCENT 03 NO SHIM USED 4145 4020 3895
NAA	7XX	MAA	SLRCR45	STLARXX	VARIABLE	ADAPTER/PLUG,REMOVE STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE FOUR SCREWS,ASIDE SCREWS AND TOOL, REMOVE AND ASIDE ADAPTER/PLUG,GET SHIM SET AND ASIDE ENDS-WITH ASIDE SHIM SET CONDITIONS-SHIM SET WEIGHS TO 10 POUNDS CASE 01 SHIM SET REMOVED 50 PERCENT OF TIME 02 NO SHIM SET REMOVED 03 SHIM SET REMOVED 100 PERCENT OF TIME 3640 3580 3700
NAA	7XX	MAA	OTLPHXX	STLHPXX	VARIABLE	HOLE,PUNCH WITH HAMMER AND HOLLOW POINT PUNCH STARTS-WITH REACH TO HAMMER AND PUNCH OR WITH POSITIONING PUNCH TO MATERIAL INCLUDES-ALL MOTIONS NECESSARY TO GET HAMMER AND PUNCH,POSITION PUNCH TO LOOSE OR CLOSE ALIGNMENT ON MATERIAL,STRIKE PUNCH WITH HAMMER TO PUNCH HOLE,REMOVE CUTOUT AND EXAMINE HOLE;OR POSITION PUNCH FOR ADDITIONAL HOLE,PUNCH HOLE,REMOVE CUTOUT AND EXAMINE HOLE ENDS-WITH ASIDE TOOLS OR WITH EXAMINE HOLE CONDITIONS-3/32 TO 2 3/4 INCH HOLLOW POINT PUNCH,SOFT OR HARD NON-METALLIC MATERIAL CASE 01 PUNCH FIRST HOLE,MATERIAL TO 1/4 INCH THICK 02 PUNCH ADDITIONAL HOLE,MATERIAL TO 1/4 INCH THICK 03 PUNCH FIRST HOLE,MATERIAL 9/32 TO 3/4 INCH THICK 04 PUNCH ADDITIONAL HOLE,MATERIAL 9/32 TO 3/4 INCH THICK 374 161 408 195
NF	7XX	MAF	4080	STLPP01	144	PARTS,PRY APART WITH HAMMER AND CHISEL STARTS-WITH REACH TO TOOLS(SIMO) INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP TOOLS,POSITION CHISEL AT JOINT,HOLD AT JOINT, STRIKE CHISEL FOUR TIMES WITH HAMMER,ASIDE TOOLS TO BENCH ENDS-WITH ASIDE TOOLS TO BENCH



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION												
NAA	7XX	FAA	OTLDSXX	STPDHXX	TABLE	<p>HOLE, DRILL IN STEEL (HAND DRILL-POWERED) STARTS-WITH REACH TO DRILL MOTOR OR WITH PLACING DRILL TO ADDITIONAL PENCIL OR CENTER PUNCH MARK INCLUDES-SELECTING DRILL AND INSTALLING IN CHUCK, PLACING DRILL TO PENCIL OR CENTER PUNCH MARK AND DRILLING HOLE ENDS-WITH DRILL REMOVED FROM CHUCK AND TOOLS ASIDE, OR DRILL AT POINT OF DISENGAGEMENT CONDITIONS-APPLIES TO DRILLING HOLES IN STAINLESS STEEL, MIL. SPEC. NO. 50598 OR SIMILAR, USING A 1/4 INCH CHUCK CAPACITY AIR OR ELECTRIC DRILL MOTOR WITH 2000 AVERAGE R.P.M.</p> <table><tr><th>METAL THICKNESS</th><th>FIRST HOLE A</th><th>ADDITIONAL HOLE B</th></tr><tr><td>.020-.025 INCH</td><td>A 716</td><td>B 122</td></tr><tr><td>.032-.050 INCH</td><td>B 759</td><td>165</td></tr></table>	METAL THICKNESS	FIRST HOLE A	ADDITIONAL HOLE B	.020-.025 INCH	A 716	B 122	.032-.050 INCH	B 759	165			
METAL THICKNESS	FIRST HOLE A	ADDITIONAL HOLE B																
.020-.025 INCH	A 716	B 122																
.032-.050 INCH	B 759	165																
NAA	7XX	MUA	OTLCAXX	STPHCXX	TABLE	<p>HOLE, COUNTERBORE IN ALUMINUM STARTS-WITH REACH TO AIR OR ELECTRIC DRILL AND COUNTERBORE FOR FIRST HOLE, OR WITH PLACING COUNTERBORE TO HOLE FOR ADDITIONAL HOLE INCLUDES-INSTALLING COUNTERBORE IN CHUCK, PLACING COUNTERBORE TO HOLE, COUNTERBORING AND REMOVING COUNTERBORE FROM CHUCK FOR FIRST HOLE; OR PLACING COUNTERBORE TO HOLE OR COUNTERBORING AN ADDITIONAL DEPTH OF SAME HOLE ENDS-WITH LAY TOOL ASIDE OR WITH END OF COUNTERBORING</p> <table><tr><th>DRILL SIZE</th><th>COUNTERBORE .010 INCH FIRST HOLE A</th><th>ADD. HOLE B</th><th>ADDITIONAL .010 INCH C</th></tr><tr><td>1/4 - 1/2 INCH</td><td>A 807</td><td>221</td><td>11</td></tr><tr><td>17/32 - 1 INCH</td><td>B 942</td><td>356</td><td>19</td></tr></table>	DRILL SIZE	COUNTERBORE .010 INCH FIRST HOLE A	ADD. HOLE B	ADDITIONAL .010 INCH C	1/4 - 1/2 INCH	A 807	221	11	17/32 - 1 INCH	B 942	356	19
DRILL SIZE	COUNTERBORE .010 INCH FIRST HOLE A	ADD. HOLE B	ADDITIONAL .010 INCH C															
1/4 - 1/2 INCH	A 807	221	11															
17/32 - 1 INCH	B 942	356	19															



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	7XX	MAA	OTLDAXX	STPHOXX	VARIABLE	<p>HOLE, DRILL IN ALUMINUM (HAND DRILL POWERED)  STARTS-WITH REACH TO DRILL OR PLACE DRILL TO  ADDITIONAL MARK  INCLUDES-SELECTING DRILL AND INSTALLING IN  CHUCK, PLACING DRILL TO PENCIL OR CENTER PUNCH  MARK AND DRILLING HOLE; OR PLACING DRILL TO  ADDITIONAL PENCIL OR CENTER PUNCH MARK AND  DRILL HOLE  ENDS-WITH DRILL REMOVED FROM CHUCK AND TOOLS  ASIDE; OR WITH DRILL AT POINT OF DISENGAGEMENT  CONDITIONS-APPLIES TO DRILLING HOLES IN  ALUMINUM SHEETS A/N NO 2024-T3, 7075-T6 OR  SIMILAR USING A 1/4 INCH CHUCK CAPACITY AIR  OR ELECTRIC DRILL MOTOR WITH 2000 AVERAGE RPM</p> <p>704 CASE 01 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .020 TO .050 INCH, FIRST HOLE</p> <p>110 02 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .020 TO .050 INCH, ADDITIONAL HOLE</p> <p>721 03 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .063 TO .090 INCH, FIRST HOLE</p> <p>127 04 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .063 TO .090 INCH, ADDITIONAL HOLE</p> <p>736 05 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .100 TO .185 INCH, FIRST HOLE</p> <p>142 06 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .100 TO .185 INCH, ADDITIONAL HOLE</p> <p>787 07 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .200 TO .250 INCH, FIRST HOLE</p> <p>193 08 DRILL HOLE, NO. 45-NO. 14 DRILL, MATERIAL  .200 TO .250 INCH, ADDITIONAL HOLE</p> <p>726 09 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH  DRILL, MATERIAL .020 TO .050 INCH,  FIRST HOLE</p> <p>132 10 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH  DRILL, MATERIAL .020 TO .050 INCH,  ADDITIONAL HOLE</p> <p>765 11 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH  DRILL, MATERIAL .063 TO .090 INCH,  FIRST HOLE</p> <p>171 12 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH  DRILL, MATERIAL .063 TO .090 INCH,  ADDITIONAL HOLE</p> <p>786 13 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH,  DRILL, MATERIAL .100 TO .185 INCH,  FIRST HOLE</p> <p>192 14 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH,  DRILL, MATERIAL .100 TO .185 INCH,  ADDITIONAL HOLE</p> <p>876 15 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH  DRILL, MATERIAL .200 TO .250 INCH,  FIRST HOLE</p> <p>282 16 DRILL HOLE, NO. 60-NO. 46, NO. 13-1/4 INCH  DRILL, MATERIAL .200 TO .250 INCH,  ADDITIONAL HOLE</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	7XX	MUA	OTLCMXX	STPMCXX	TABLE	<p>MATERIAL,COUNTERSINK(MICRO)</p> <p>STARTS-WITH REACH TO AIR OR ELECTRIC DRILL MOTOR AND MICRO COUNTERSINK</p> <p>INCLUDES-INSTALLING COUNTERSINK IN CHUCK, PLACING COUNTERSINK TO HOLE FOR TRIAL CUT, ADJUSTING DEPTH STOP,FINISH COUNTERSINKING AND REMOVING COUNTERSINK FROM CHUCK;OR PLACING COUNTERSINK TO ADDITIONAL HOLE</p> <p>ENDS-WITH ASIDE TOOLS OR WITH COUNTERSINKING HOLE</p>
						<p>FIRST HOLE A</p> <p>ADDITIONAL HOLE B</p>
						<p>ALUMINUM,100 DEGREE COUNTERSINK,3/32, 1/8,5/32 INCH</p> <p>A 1058 72</p>
						<p>ALUMINUM,100 DEGREE COUNTERSINK,3/16 INCH</p> <p>B 1058 124</p>
						<p>STAINLESS STEEL,100 DEGREE COUNTERSINK, 3/32,1/8,5/32 INCH</p> <p>C 1269 123</p>
						<p>STAINLESS STEEL,100 DEGREE COUNTERSINK, 3/16 INCH</p> <p>D 1269 219</p>
FFE	7XX	MAA	KOHHPXX	MVSORXX	VARIABLE	<p>OBJECT,RELEASE FROM STRAP VISE(HYDRAULIC)</p> <p>STARTS-WITH OBJECT IN VISE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO RELEASE OBJECT FROM STRAP VISE</p> <p>ENDS-WITH ASIDE STRAP</p> <p>254 264</p> <p>CASE 01 HAND HANDLED 02 HOIST HANDLED</p>
FFE	7XX	MUA	KOHHPV2	MVSOSXX	VARIABLE	<p>OBJECT,SECURE IN STRAP VISE(HYDRAULIC OPERATE)</p> <p>STARTS-WITH OBJECT AT VISE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO SECURE OBJECT IN STRAP VISE</p> <p>ENDS-WITH LAST STROKE ON HYDRAULIC PUMP</p> <p>CONDITIONS-PUMP HYDRAULIC PUMP FIVE STROKES TO SECURE OBJECT</p> <p>589 603</p> <p>CASE 01 HANDLED OBJECT 02 HOIST HANDLED OBJECT</p>
NJ	7DX	MUD	LPA-K8	SCPFIXX	VARIABLE	<p>FASTENER(CLECO),INSTALL(TEMPORARY)</p> <p>STARTS-WITH REACH TO GET FASTENER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET FASTENER AND PLIERS,PLACE FASTENER TO PLIERS CLOSE PLIERS ON FASTENER AND INSERT INTO HOLE, RELEASE CLECO AND DISENGAGE,ASIDE PLIERS</p> <p>225 182</p> <p>CASE 01 INSTALL FIRST OR SINGLE CLAMP 02 INSTALL EACH ADDITIONAL CLAMP</p>
NJ	7DX	MUD	LPA-K9	SCPFXX	VARIABLE	<p>FASTENER(CLECO),REMOVE</p> <p>STARTS-WITH REACH TO GET PLIERS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLIERS,PLACE PLIERS ON FASTENER,GRASP WITH PLIERS AND REMOVE FROM HOLD,GRASP CLECO WITH OTHER HAND,RELEASE CLECO FROM PLIERS,ASIDE AND RELEASE CLECO AND PLIERS</p> <p>183 140</p> <p>ENDS-WITH PLIERS ASIDE</p> <p>CASE 01 REMOVE FIRST OR SINGLE CLAMP 02 REMOVE EACH ADDITIONAL CLAMP</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	70X	MAA	SRECNSX	SDAGRXX	VARIABLE	GEAR(WORM), REAM AND INSTALL STARTS-WITH REACH TO REAMER INCLUDES-ALL THE MOTIONS NECESSARY TO SELECT AND OBTAIN REAMER AND HANDLE, PLACE REAMER IN HANDLE, POSITION REAMER TO GEAR, REAM GEAR, REMOVE AND ASIDE REAMER, GET, ALIGN AND POSITION GEAR ON SHAFT, POSITION ASSEMBLY IN "V" BLOCK, INSTALL ROLL PIN OR SET SCREW IN GEAR ENDS-WITH ASIDE TOOL 3310 CASE 01 SECURE GEAR WITH ROLL PIN 3730 02 SECURE GEAR WITH SET SCREW
AE	70X	MAW	FTSXXX	MTLSUX	VARIABLE	SNIPS(TIN), USE TO CUT SHEET METAL TO 22 GAUGE STARTS-WITH TIN SNIPS HELD IN HAND NEAR CUTTING POINT INCLUDES-ALL MOTIONS NECESSARY TO POSITION SNIPS TO CUTTING POINT AND MAKE A ONE INCH CUT ENDS-WITH SNIPS OPENED OVER MATERIAL 59 CASE 01 FIRST INCH OF A STRAIGHT CUT 33 02 EACH ADDITIONAL INCH OF A STRAIGHT CUT 103 03 FIRST INCH OF A CURVED OR IRREGULAR CUT 70 04 EACH ADDITIONAL INCH OF A CURVED OR IRREGULAR CUT
NAA	70X	MAA	OTLTXX	TTLTCXX	TABLE	THREAD(EXTERNAL), CHASE STARTS-WITH TOOL IN HAND INCLUDES-MOTIONS REQUIRED TO PLACE DIE TO THREADED FASTENER AND TO CHASE FIRST TWO THREADS OR ADDITIONAL THREAD AND BACK OFF ENDS-WITH DIE REMOVED FROM THREADED FASTENER AND TOOL IN HAND  CHASE FIRST-TWO THREADS CHASE ADDITIONAL A 8 249 66 B 223 24 C 486 195 D 464 60 DIE WITH DIE HANDLE SPEED WRENCH RATCHET BOX END WRENCH
FFE	701	MAA	KPMETAA	SITWS01	3503	WRENCH(TORQUE), SET AND TEST TORQUE STARTS-WITH REACH TO GET WRENCH INCLUDES-ALL THE MOTIONS NECESSARY TO CHECK AND SET DIAL ON A TORQUE WRENCH AT FIVE DIFFERENT TORQUE SETTINGS ENDS-WITH ASIDE WRENCH
NF	704	MAF	1074	MCLSC01	57	SHAVINGS, CLEAN FROM ONE LETTER WITH SCRIBE (PLASTIC MATERIAL) STARTS-WITH REACH TO SCRIBE INCLUDES-ALL MOTIONS NECESSARY TO CLEAN SHAVINGS FROM ONE LETTER IN PLASTIC MATERIAL USING A SCRIBE ENDS-WITH SCRIBE MOVED AWAY FROM WORK
NF	704	MAF	1099	MJPCS01	55	COPY(MASTER), SELECT FROM RACK ON WALL (PER LETTER) STARTS-WITH REACH TO COPY TYPE INCLUDES-ALL MOTIONS NECESSARY TO SELECT COPY TYPE FROM WALL AND MOVE TO TABLE ENDS-WITH RELEASE OF COPY TYPE ON TABLE
NF	704	MAF	1100	MJPCS02	26	COPY(MASTER), SELECT FROM WORK BENCH (PER LETTER) STARTS-WITH REACH TO COPY TYPE INCLUDES-ALL MOTIONS NECESSARY TO SELECT COPY TYPE FROM TABLE AND MOVE TO DESIRED SPOT ON TABLE ENDS-WITH RELEASE OF COPY TYPE ON TABLE



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	704	MAA	466	MONSM01	19	STYLE(PANTOGRAPH MACHINE),MOVE TO NEXT LINE STARTS-WITH HAND ON STYLE INCLUDES-ALL THE MOTIONS NECESSARY TO DIS- ENGAGE STYLE FROM LINE AND MOVE TO NEXT LINE ENDS-WITH STYLE IN PLACE ON NEXT LINE
AF	704	MAA	459	MPALFXX VARIABLE	225 185	LETTER(ENGRAVED),FILL WITH ENGRAVERS CRAYON STARTS-WITH SIMO REACH TO CRAYON AND SIGN INCLUDES-ALL THE MOTIONS NECESSARY TO HOLD SIGN AND GET CRAYON,MOVE CRAYON TO SIGN AND PRESS IN LETTER GROOVE,JIGGLE CRAYON TO FILL GROOVE,GRASP CRAYON IN BOTH HANDS AND PUSH CRAYON ON GROOVE,DISENGAGE CRAYON FROM GROOVE AND COVER LESS THAN ONE INCH,TWIST COVER TO PREVENT CRAYON FROM SLIPPING,RELEASE CRAYON WITH LEFT HAND,MOVE CRAYON BACK TO GROOVE AND TOUCH UP,ASIDE CRAYON ENDS-WITH ASIDE CRAYON CASE 01 FIRST OR SINGLE LETTER 02 EACH ADDITIONAL LETTER
NF	704	MAF	2680	SSU8L01	174	BOLT(ARM),LOOSEN AND TIGHTEN STARTS-WITH REACH TO WRENCH INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN AND TIGHTEN OVER ARM BOLT ON PANTOGRAPH(3/8 INCH HEX HEAD BOLT) ENDS-WITH RELEASE WRENCH ASIDE
NF	704	MAF	3137	SSUCL01	483	CLAMP(MACHINE TABLE),LOOSEN AND TIGHTEN STARTS-WITH REACH TO TOOL TRAY INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN A BOX WRENCH FROM TOOL TRAY,POSITION TO NUTS, LOOSEN OR TIGHTEN NUT,RETURN WRENCH TO TRAY ENDS-WITH RELEASE IN TRAY CONDITIONS-LOOSEN AND TIGHTEN THREE NUTS WITH A 3/8 INCH BOX WRENCH
NF	704	MAF	1031	SSUGR01	86	GIB(PANTOGRAPH MACHINE),REMOVE AND INSERT FROM HOLDING TABLE(PER GIB) STARTS-WITH GRASP GIB INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND SLIDE GIB OUT,MOVE TO TABLE TOP,RELEASE, PICK UP GIB ON TABLE TOP AND MOVE TO HOLDING TABLE,INSERT GIB(ONE END)IN BEVELED TABLE, POSITION OTHER END AND SLIDE INTO PLACE, RELEASE GIB ENDS-WITH RELEASE GIB
NF	704	MAF	3467/8	SSUTAXX VARIABLE	90 73	TABLE(MACHINE),ADJUST WITH CRANK(PANTOGRAPH) STARTS-WITH REACH TO CRANK INCLUDES-ALL THE MOTIONS NECESSARY TO TURN CRANK TO ADJUST TABLE,ALIGN AND MARK WITH TIP OF CUTTING TOOL AND RELEASE WHEEL(CRANK) ENDS-WITH RELEASE OF WHEEL CASE 01 SIX INCH DIAMETER HAND WHEEL=4 TURNS 02 FOUR INCH DIAMETER HAND WHEEL=3 TURNS
NF	704	MAF	3469	SSUTA03	60	TABLE(MACHINE),ADJUST FOR DEPTH OF CUT (PANTOGRAPH) STARTS-WITH REACH TO CRANK(WHEEL) INCLUDES-ALL THE MOTIONS NECESSARY TO TURN CRANK(HAND WHEEL) TO ADJUST VERTICAL,POSITION TO APPROXIMATE DEPTH OF CUT,RELEASE CRANK ENDS-WITH RELEASE CRANK



# OFFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATE OCCUP- SITUATION	QUALITY	SOURCE CODE	DWSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF 704	NAA	470	SSUT101	67	TYPE MASTER(PANTOGRAPH MACHINE), INSERT AND RE-MOVE STARTS-WITH A REACH TO COPY TYPE LETTER INCLUDES-ALL THE MOTIONS NECESSARY TO GET TYPE LETTER,TURN WITH LETTER TO COPY HOLDER,MOVE AND POSITION COPY TYPE IN HOLDER,REACH TO TYPE IN COPY HOLDER AND REMOVE,TURN FROM HOLDER TO BENCH WITH TYPE,RELEASE COPY TYPE ENDS-WITH TURN TO BENCH CONDITIONS-BASED ON TURNING 180 DEGREES WITH AVERAGE OF 8 LETTERS PER TURN-TIME IS PER LETTER-16 LETTERS PER SET UP AVERAGE
NF 704	MAF	1073	MTFSL01	51	SCREW(THUMB), LOOSEN OR TIGHTEN, ON GIB STARTS-WITH REACH TO GIB ON HOLDING TABLE INCLUDES-ALL MOTIONS NECESSARY TO LOOSEN OR TIGHTEN A THUMB SCREW ON GIB ENDS-WITH RELEASE THUMB SCREW
NF 704	MUF	1048/49	MTPLXX VARIABLE		LETTER, ENGRAVE(PANTOGRAPH), IN METAL, BAKELITE OR PLASTIC STARTS-WITH MOVE HANDLE ON CUTTING HEAD TO DISENGAGE CUTTING TOOL AND EYE TRAVEL FROM CUTTER TO STYLUS ON COPY TYPE INCLUDES-ALL MOTIONS NECESSARY TO ENGRAVE ONE LETTER IN BAKELITE, METAL OR PLASTIC WITH A PANTOGRAPH ENDS-WITH CUTTING TOOL IN CONTACT WITH COMPLETED LETTER 57 CASE 01 ENGRAVE ONE LETTER IN METAL OR BAKELITE 78 02 ENGRAVE ONE LETTER IN PLASTIC
NAA 705	TUA	OSTBWXX	SCLOBXX VARIABLE		OBJECT, BUFF WITH WIRE WHEEL STARTS-WITH REACH TO OBJECT INCLUDES-ALL THE MOTIONS NECESSARY TO GET OBJECT, TURN ON BUFFER, PLACE OBJECT IN CONTACT WITH WHEEL, REMOVE CONTAMINATION OR CORROSION UP TO 25 SQUARE INCHES, STOP BUFFER, ASIDE OBJECT ENDS-WITH ASIDE OBJECT 270 CASE 01 REMOVE SURFACE DISCOLORATION-FIRST OR ONLY AREA-UP TO 25 SQUARE INCHES 180 02 REMOVE SURFACE DISCOLORATION-EACH ADDITIONAL AREA-UP TO 25 SQUARE INCHES 480 03 REMOVE LIGHT RUST OR CORROSION-FIRST OR ONLY AREA-UP TO 25 SQUARE INCHES 400 04 REMOVE LIGHT RUST OR CORROSION-EACH ADDITIONAL AREA-UP TO 25 SQUARE INCHES 750 05 REMOVE HEAVY RUST OR CORROSION-FIRST OR ONLY AREA-UP TO 25 SQUARE INCHES 670 06 REMOVE HEAVY RUST OR CORROSION-EACH ADDITIONAL AREA-UP TO 25 SQUARE INCHES 1150 07 REMOVE HARD CARBON, METAL ETCHING, ETC.-FIRST OR ONLY AREA-UP TO 25 SQUARE INCHES 1070 08 REMOVE HARD CARBON, METAL ETCHING, ETC.-EACH ADDITIONAL AREA-UP TO 25 SQUARE INCHES



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION																				
AF	705	MBW	221810X	MTLMBXX	VARIABLE	HOLE,BURR STARTS-WITH POSITION TOOL TO HOLE INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION THE TOOL TO THE HOLE TO BE DEBURRED AND USING THE TOOL TO REMOVE BURRS IN THE HOLE ENDS-WITH TOOL REMOVED FROM HOLE 71 CASE 01 BURR WITH COUNTERSINK-PER HOLE-10 POUNDS OF PRESSURE APPLIED TO TOOL 116 02 BURR WITH 0 TO TWO INCH DIAMETER SCRAPER-CHECK RESULTS AFTER REMOVE TOOL-ROUND-10 POUNDS OF PRESSURE APPLIED TO TOOL 315 03 BURR WITH 0 TO TWO INCH DIAMETER SCRAPER-CHECK RESULTS AFTER REMOVE TOOL-SQUARE-10 POUNDS OF PRESSURE APPLIED TO TOOL 292 04 BURR WITH THREAD FILE-0 TO ONE INCH DIAMETER-10 POUNDS OF PRESSURE APPLIED TO TOOL																				
AF	705	MBW	2217-14	MTLTFXX	VARIABLE	TOOTH(GEAR-END),FILE STARTS-WITH FILE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION FILE TO END OF TOOTH,MANIPULATE TO REMOVE ROUGHNESS FROM EDGE AND RETRACT FILE ENDS-WITH RETRACT FILE CONDITIONS-HOLD OR BALANCE WITH LEFT HAND- MINIMUM AND MAXIMUM PRESSURE AVERAGED TO ALLOW OVERLAP FOR VARIABLE BURR SIZES-NECESSARY ROTATING OF GEAR VARIES WITH DIAMETER OF GEAR AND SIZE OF TEETH-THE AVERAGE NUMBER OF ROTATE ELEMENTS SHOULD BE APPLIED AS FOLLOWS- 11 DIAMETRAL PITCH AND OVER-EVERY SIX TEETH SIX THRU 10-EVERY FIVE TEETH THREE THRU FIVE-EVERY FOUR TEETH ONE AND TWO-EVERY THREE TEETH 105 CASE 01 FILE 11 AND UP DIAMETRAL PITCH TOOTH 124 02 FILE SIX THRU 10 DIAMETRAL PITCH TOOTH 151 03 FILE THREE THRU FIVE DIAMETRAL PITCH TOOTH 173 04 FILE ONE AND TWO DIAMETRAL PITCH TOOTH																				
AF	705	MBW	2217-11	TTLEFXX	TABLE	EDGE,FILE STARTS-WITH POSITION FILE TO EDGE OF WORK INCLUDES-ALL THE MOTIONS NECESSARY TO MANIPULATE FILE TO REMOVE BURR OR SHARP EDGE AND RETRACT FILE AFTER COMPLETION ENDS-WITH FILE RETRACTED CONDITIONS-ROCKWELL,SCALE C-0 TO 20,SOFT METAL 20 TO 35,MEDIUM METAL-35 AND UP,HARD METAL- HOLD OR BALANCE WITH LEFT HAND-MINIMUM AND MAXIMUM PRESSURES AVERAGED TO ALLOW OVERLAP FOR VARIABLE BURR SIZES-START INCHES ARE USED EVERY 12 INCHES EDGE LENGTH,OR EACH TIME EDGE CHANGES DIRECTIONS-FORWARD FILE TRAVEL IS THREE INCHES-TIMES ARE PER INCH FILED <table><tr><th>METALS</th><th>FIRST OR START</th><th>EACH ADDITIONAL</th><th>CORNER</th></tr><tr><td></td><td>A</td><td>B</td><td>C</td></tr><tr><td>SOFT</td><td>A 79</td><td>26</td><td>71</td></tr><tr><td>MEDIUM</td><td>B 91</td><td>30</td><td>82</td></tr><tr><td>HARD</td><td>C 109</td><td>35</td><td>98</td></tr></table>	METALS	FIRST OR START	EACH ADDITIONAL	CORNER		A	B	C	SOFT	A 79	26	71	MEDIUM	B 91	30	82	HARD	C 109	35	98
METALS	FIRST OR START	EACH ADDITIONAL	CORNER																							
	A	B	C																							
SOFT	A 79	26	71																							
MEDIUM	B 91	30	82																							
HARD	C 109	35	98																							



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	705	MAW	FFLXXX	TTLFUX	TABLE	FILE,USE TO REMOVE MATERIAL STARTS-WITH FILE IN HAND INCLUDES-ALL MOTIONS NECESSARY TO ENGAGE FILE TO WORK AND MAKE ONE STROKE(MOVE FORWARD AND BACK) ENDS-WITH FILE IN HAND CONDITIONS-LIGHT FORCE-TO 2.5 POUNDS ENW; MODERATE FORCE-2.6-5 POUNDS ENW
						LENGTH OF STROKE(INCHES) 1 3 6 9 A 8 C D LIGHT FORCE FIRST STROKE A 15 20 27 32 ADD. STROKE B 6 11 18 23 MODERATE FORCE FIRST STROKE C 17 23 30 35 ADD. STROKE D 8 14 21 26
FFE	705	MUA	GTLFHAX	STLHSXX	VARIABLE	HOLE,SLOT WITH FILE STARTS-WITH REACH TO GET FILE INCLUDES-ALL THE MOTIONS NECESSARY TO GET FILE AND FILE TO ELONGATE OR SLOT A HOLE ENDS-WITH FILE ASIDE CONDITIONS-CENTER PUNCH AND DRILLING NOT INCLUDED CASE 01 ELONGATE HOLE FOR CAPACITOR INSTALLATION 02 ELONGATE OR SINGLE SLOT 03 SLOT TWO PLACES
					1660	
					1459	
					2873	
AF	705	NBW	2217-12	MTPEGXX	VARIABLE	EDGE,GRIND TO BURR(MACHINE) STARTS-WITH GRINDER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE THE GRINDER TO EDGE TO BE GROUND,MANIPULATE GRINDER TO REMOVE BURRS,WITHDRAW GRINDER FROM EDGE AND VISUAL INSPECT ENDS-WITH CHECK RESULTS CONDITIONS-AIR GRINDER-FS4140 STEEL-R/C 25- APPLY UP TO FIVE POUNDS PRESSURE CASE 01 GRIND FIRST INCH-FOUR PASSES 02 GRIND EACH ADDITIONAL INCH-FOUR PASSES 03 GRIND CORNER-THREE PASSES
					63	
					27	
					63	
NF	705	MUF	1075	MTPS801	434	SIGN(PLEXIGLASS),BUFF EDGES ON BUFFING MACHINE STARTS-WITH START MACHINE INCLUDES-ALL MOTIONS NECESSARY TO TURN BUFFING MACHINE ON AND OFF,GET 12X2X1/4 INCH PLEXI- GLASS SIGN,BUFF EDGES OF SIGN AND ASIDE SIGN ENDS-WITH TURN MACHINE OFF
NF	705	MUF	1077	MTPSS01	367	SIGN,SAND WITH DISC SANDER STARTS-WITH REACH TO SIGN INCLUDES-ALL MOTIONS NECESSARY TO SAND DOWN SIGN TO SCRIBED LINES ENDS-WITH STOP SANDER CONDITIONS-SIGN MADE OF BAKELITE OR PLASTIC- DISC SANDER,10 INCH SIZE
NAA	705	TUA	CPNBMO1	STPBGXX	VARIABLE	BALANCE,GRIND STARTS-WITH PUT GOGGLES ON INCLUDES-ALL MOTIONS NECESSARY TO PUT GOGGLES ON AND TAKE OFF,SET UP HAND HELD OR BENCH MOUNTED GRINDER,GET AND ASIDE PART,GRIND EACH END OF PART,AND AIR CLEAN PART ENDS-WITH PART CLEANED AND PLACED ASIDE CONDITIONS-WALKING TO AND FROM GRINDER NOT INCLUDED CASE 01 FIRST PART 02 ADDITIONAL PART
					2350	
					1800	



# OFFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	706	MAA	CPNBM05	SNFPI01	609	PINS, INSTALL STARTS-WITH GET BOX OF PINS INCLUDES-ALL THE MOTIONS NECESSARY TO GET BOX OF PINS, OPEN AND CLOSE BOX-GET PIN, POSITION PIN, HAMMER PIN IN ENDS-WITH ASIDE HAMMER
NAA	706	MAA	CPNBM05	STLBC01	886	BLADE, CHANGE STARTS-WITH REACH TO COVER (NOT SECURED) INCLUDES-ALL MOTIONS NECESSARY TO REMOVE COVER, REMOVE BLADE RETAINER PIN, REMOVE AND ASIDE BLADE, GET NEW BLADE, INSTALL, REPLACE BLADE RETAINER PIN AND INSTALL COVER ENDS-WITH COVER IN PLACE (NOT SECURED)
FFD	709	TBA	GPIIZXW	MCLSWXX	VARIABLE	SOLUTION (ZYGLO), WASH FROM PART ON PALLET STARTS-WITH REACH TO DIP CONTROL LEVER OR TO GET SPRAY HOSE INCLUDES-ALL THE MOTIONS AND TIME REQUIRED TO WASH PALLET OF VARIOUS SIZE PARTS WITH SPRAY OR WITH DIP INTO EMULSIFIER AS REQUIRED, HANDLE WITH A HOIST WHEN REQUIRED ENDS-WITH HOSE PLACED IN HOLDER CONDITIONS-PALLET 20X30 INCHES CASE 01 DIP AND SPRAY CASE 02 SPRAY ONLY 4867 2707
NAA	709	MAA	SCCF001	SCLFC01	450	FITTING (AIRCRAFT CONTROL CABLE), CLEAN STARTS-WITH REACH TO GET FITTING INCLUDES-ALL THE MOTIONS NECESSARY TO GET FITTING AND PLACE IN BASKET, LOAD BASKET INTO DEGREASER, REMOVE BASKET FROM DEGREASER, GET FITTING FROM BASKET AND ASIDE ENDS-WITH ASIDE FITTING CONDITIONS-HANG BASKET ON HOOK IN TANK-BASKET WEIGHS TO 20 POUNDS-TWO FITTINGS PER BASKET TO THREE POUNDS EACH-WALK TO AND FROM DEGREASER NOT INCLUDED
FFH	709	MAA	KERT00A	SDAPP01	5608	PART, PREPARE TO DRILL AND REAM COUPLER, GEAR HUB, SLEEVE OR COLLAR STARTS-WITH REACH TO VISE HANDLE INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN VISE, GET AND PLACE PART IN VISE, CENTER PUNCH PART, GET AND ASSEMBLE DRILL AND BIT, PLACE PART ON DUMMY SHAFT, DRILL PART, REMOVE DUMMY SHAFT, GET GOOD SHAFT, PLACE IN PART, ALIGN HOLE, GET AND UNWRAP REAMER, PLACE IN PIN VISE, PLACE REAMER IN HOLE, REMOVE, WRAP REAMER, LOOSEN VISE AND ASIDE PART TO WORKBENCH, ASIDE DRILL MOTOR ENDS-WITH ASIDE DRILL MOTOR CONDITIONS-DOES NOT INCLUDE TIME TO DRILL OR REAM-7/16 INCH OUTSIDE DIAMETER, 1/4 INCH IN- SIDE DIAMETER-PART TO 2.5 POUNDS
NAA	709	MAA	ACCC001	MDPCPXX	VARIABLE	CABLE (AIRCRAFT CONTROL), PRESERVE STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET BAG OF CABLE, REMOVE CABLE FROM BAG, OPEN TANK COVER AND GET SUBMERGING HOOK, PLACE CABLE ON HOOK AND SUBMERGE IN TANK, REMOVE CABLE FROM TANK AND HANG TO DRIP, GET AND SUBMERGE CABLE IN PARALKATONE, REMOVE CABLE, HANG CABLE TO DRIP, REMOVE FROM AND ASIDE HOOK, PLACE CABLE IN BAG, ASIDE, CLOSE TANK COVERS ENDS-WITH CLOSE TANK COVER CONDITION-PROCESS TIME NOT INCLUDED CASE 01 DIP FIRST OR SINGLE CABLE CASE 02 DIP EACH ADDITIONAL CABLE 1660 1310



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	709	MAA	ACCLMXX	SGMCHXX	VARIABLE	CABLE(AIRCRAFT CONTROL), MEASURE AND CUT STARTS-WITH REACH TO GET SHOP ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND CHECK SHOP ORDER, GET CABLE FROM SPOOL, ARRANGE CABLE ON TABLE, PLACE WEIGHT ON END TO HOLD, MEASURE AND MARK CABLE, ASIDE WEIGHT, GET AND POSITION CABLE TO CUTTER, CUT AND ASIDE CABLE ENDS-WITH ASIDE CABLE CONDITIONS-CUT TO 36 INCHES CASE 01 CUT FIRST OR SINGLE-TO 36 INCHES 02 CUT EACH ADDITIONAL-TO 36 INCHES
					1890	
					1390	
FFE	709	MAA	GITMIXD	MITODXX	VARIABLE	OBJECT, DEMAGNETIZE WITH COIL STARTS-WITH TURN TO MAGNAGLO MACHINE INCLUDE-ALL THE MOTIONS AND PROCESS TIME TO TURN TO MAGNAGLO MACHINE, OPEN CURTAIN, PUSH CANOPY AWAY FROM MACHINE, STEP THREE PAGES TO COIL, GET COIL AND PLACE OVER OBJECT ON RACK, STOP COIL OVER OBJECT, BEND TO CONTROL KNOB, SET CONTROL ON PROPER TIMING, ACTUATE SWITCH TO DEMAGNETIZE, STAND, MOVE COIL TO DEMAGNETIZE, ASIDE COIL, GET AND POSITION INDICATOR, READ INDICATOR ENDS-WITH ASIDE INDICATOR CONDITIONS-COIL WEIGHS 10/20 POUNDS ENW CASE 01 LARGE PART-MOVE 24 DETENTS ON TIMER 02 MEDIUM PART-MOVE 8 DETENTS ON TIMER 03 SMALL PART-MOVE THREE DETENTS ON TIMER-TIME IS PER OBJECT, BASED ON DEMAGNETIZING TWO PARTS PER OCCURENCE 04 VERY SMALL PART-MOVE ONE DETENT ON TIMER-TIME IS PER OBJECT, BASED ON DEMAGNETIZING 20 PARTS PER OCCURENCE
					1521	
					968	
					396	
					36	
FFE	709	MAA	GITMIXX	MITOMXX	VARIABLE	OBJECT, MAGNETIZE FOR MAGNAGLO INSPECTION STARTS-WITH REACH TO GET COIL INCLUDES-ALL THE MOTIONS AND PROCESS TIME NECESSARY TO GET AND PLACE COIL OVER OBJECT ON RACK, STOP COIL OVER OBJECT, BEND TO CONTROL KNOB, SET CONTROL ON PROPER TIMING, ACTUATE SWITCH TO MAGNETIZE, MOVE COIL OVER OBJECT, ASIDE COIL ENDS-WITH ASIDE COIL CONDITIONS-COIL WEIGHS 10/20 POUNDS ENW CASE 01 MAGNETIZE OBJECT WITH COIL-TIMER MOVE ONE DETENT 02 MAGNETIZE OBJECT WITH CONTACT POINTS- ONE DETENT MOVE ON TIMER 03 EACH ADDITIONAL DETENT ON TIMER-BOTH CASE 01 AND 02
					378	
					427	
					33	
NAA	709	MUA	ACCCT01	SITCTXX	VARIABLE	CABLE(AIRCRAFT CONTROL), TEST STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE TO TEST AND HOOK TO EXTENSION CABLE, POSITION HOLDING FIXTURE, PLACE AND LOCK CABLE IN FIXTURE, CLOSE AND OPEN PRESSURE VALVE, OPEN AND CLOSE BY-PASS VALVE, START AND STOP PROOF- LOADER, CLOSE AND OPEN LOAD VALVE, PROOFLOAD CABLE, DISCONNECT CABLE FROM EXTENSION CABLE, RELEASE HOLDING FIXTURE LOCK, REMOVE CABLE FROM FIXTURE AND ASIDE ENDS-WITH ASIDE CABLE CONDITIONS-PROCESS TIME IS ALLOWED IN TIME FOR FIRST CABLE-MORE THAN ONE CABLE CAN BE TESTED AT ONCE-PROCESS TIME IS 1400 THUS- CASE 01 TEST FIRST OR SINGLE CABLE-TO 43 INCHES 02 TEST EACH ADDITIONAL CABLE-TO 43 INCHES
					1400	
					130	



# OFFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	IMMEDIATE ELEMENT	TIME VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	709	MAA	NMRDIXX	SITDIXX	VARIABLE	<p>DYE PENETRANT, INSPECT METAL SURFACE, PER 12 SQUARE INCHES</p> <p>STARTS-WITH GET PART TO BE INSPECTED</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO OBTAIN PART FROM LOCATION UP TO FOUR FEET AWAY, PLACE ON BENCH, GET CLOTH, WIPE PART TO REMOVE LIGHT CLINGING DIRT AND DUST, GET CAN OF DYE PENETRANT, AGITATE, SPRAY PENETRANT ON 12 SQUARE INCHES, GET CLOTH, WIPE AREA, GET CAN OF DEVELOPER, AGITATE, SPRAY DEVELOPER, VISUALLY EXAMINE AREA, AND WIPE AREA CLEAN</p> <p>ENDS-WITH ASIDE PART</p> <p>CASE 01 FIRST 12 SQUARE INCHES</p> <p>02 EACH ADDITIONAL 12 SQUARE INCHES</p>
					5450	
					1720	
FFD	709	TUA	GPIIMXX	SITIPXX	VARIABLE	<p>PART, INSPECT BY MAGNAGLO PROCESS</p> <p>STARTS-WITH MOVE PART TO MAGNETIZER</p> <p>INCLUDES-ALL THE MOTIONS AND TIME NECESSARY TO MOVE PART TO MAGNETIZER, MAGNETIZE PART, APPLY SOLUTION, VISUALLY INSPECT WITH BLACK LIGHT AND DEMAGNETIZE PART, ASIDE PART</p> <p>ENDS-WITH ASIDE PART</p> <p>CONDITIONS-MOVE PALLET TO MAGNETIZER INCLUDES WALK SEVEN PACES TO PALLET, START PALLET IN MOTION AND PUSH PALLET SEVEN PACES, TWO TURNS ALLOWED-PER PART TIME BASED ON 12.5 PARTS PER PALLET</p> <p>CASE 01 VERY LARGE PART-30 TO 60 POUNDS</p> <p>02 LARGE PART-20 TO 30 POUNDS</p> <p>03 MEDIUM PART-2.5 TO 10 POUNDS</p> <p>04 SMALL PART-LESS THAN 2.5 POUNDS</p> <p>05 VERY SMALL PART-LESS THAN 2.5 POUNDS</p>
					5367	
					3418	
					1343	
					608	
					448	
FFD	709	TBA	GPIIMVF	SITIP06	420	<p>PART(VERY SMALL), INSPECT WITH MAGNAFLUX MACHINE</p> <p>STARTS-WITH OBTAIN PART</p> <p>INCLUDES-ALL THE MOTIONS AND PROCESS TIME TO INSPECT PART WITH MAGNAFLUX MACHINE</p> <p>ENDS-WITH PART IN BASKET ON CONVEYOR</p> <p>CONDITIONS-TIME IS BASED ON 160 PARTS</p> <p>INSPECTED AVERAGED TO GIVE TIME PER PART</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DNMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	709	MUA	CZMAIX	SITIZXX	VARIABLE	<p>PART, INSPECT (ZYGLC)</p> <p>STARTS-WITH REACH TO GET GLOVES</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET GLOVES, GET PART(S) AND DIP IN PENETRANT, REMOVE AND PLACE ON DRAIN BOARD, GET PART(S) AND DIP IN EMULSIFIER, REMOVE AND PLACE ON DRAIN BOARD, GET PART(S) AND PLACE IN WASH TANK, WASH PART(S), ACTUATE, GET PART(S) IN DEVELOPER TANK, PLACE ON DRAIN BOARD, PLACE IN DRYER, REMOVE FROM DRYER AND INSPECT WITH BLACK LIGHT, PLACE IN WASH TANK AND WASH, ASIDE</p> <p>ENDS-WITH PART(S) WASHED AND PLACED ASIDE</p> <p>CONDITIONS-SEE 709 SITPHXX FOR DEFINITIONS OF SIMPLE, COMPLEX AND VERY COMPLEX PARTS</p> <p>CASE 01 SMALL PART-12X12 INCHES-SIMPLE SHAPE</p> <p>02 SMALL PART-12X12 INCHES-COMPLEX SHAPE</p> <p>12400 03 SMALL PART-12X12 INCHES-VERY COMPLEX SHAPE</p> <p>6410 04 BASKET OF SMALL PARTS-TO 12 X 12 INCHES-SIMPLE SHAPE</p> <p>8570 05 BASKET OF SMALL PARTS-TO 12 X 12 INCHES-COMPLEX SHAPE</p> <p>34130 06 BASKET OF SMALL PARTS-TO 12 X 12 INCHES-VERY COMPLEX SHAPE</p> <p>5420 07 MEDIUM PART-12X12 TO 18X18 INCHES-SIMPLE SHAPE</p> <p>6990 08 MEDIUM PART-12X12 TO 18X18 INCHES-COMPLEX SHAPE</p> <p>20610 09 MEDIUM PART-12X12 TO 18X18 INCHES-VERY COMPLEX SHAPE</p> <p>6090 10 LARGE PART-18X18 TO 30X30 INCHES-SIMPLE SHAPE</p> <p>7890 11 LARGE PART-18X18 TO 30X30 INCHES-COMPLEX SHAPE</p> <p>28910 12 LARGE PART-18X18 TO 30X30 INCHES-VERY COMPLEX PART</p>
FFE	709	MUA	GITHPA3	SITOIXX	VARIABLE	<p>OBJECT, INSPECT WITH BLACK LIGHT</p> <p>STARTS-WITH REACH TO GET LIGHT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE LIGHT TO AREA, VISUALLY INSPECT OBJECT BY MOVING LIGHT</p> <p>ENDS-WITH AREA INSPECTED AND LIGHT ASIDE</p> <p>CASE 01 INSPECT AREA UP TO 16 SQUARE INCHES</p> <p>143 02 INSPECT EACH ADDITIONAL AREA UP TO 16 SQUARE INCHES</p> <p>72</p>
FFD	709	TAA	GPIIZH5	SITPD01	736	<p>PART (VERY LARGE), DIP AND SPRAY WITH ZYGLC SOLUTION</p> <p>STARTS-WITH REACH TO CONTROL LEVER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO ACTUATE CONTROL, PARTIALLY IMMERSE PART AND SPRAY EXPOSED PORTION</p> <p>ENDS-WITH PART DIPPED AND SPRAYED</p> <p>CONDITIONS-POWERED DIP TABLE TO LOWER/RAISE PART</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION																				
NAA	709	MUA	CZMEIXX	SITPIXX	TABLE	<p>PART(ENGINE),INSPECT(IZYGLO) STARTS-WITH REACH TO GET PART INCLUDES-ALL THE MOTIONS NECESSARY TO GET PART AND DIP IN PENETRANT TANK(FOUR BY FOUR FEET), PLACE ON DRAIN RACK,GET AND DIP IN EMULSIFIER TANK,REMOVE AND PLACE ON DRAIN RACK,WASH PART TO REMOVE EXCESS PENETRANT,INSPECT FOR COMPLETENESS OF WASH WITH LIGHT,ASIDE LIGHT, DIP PART IN DEVELOPER,REMOVE AND PLACE ON DRAIN RACK,OPEN OVEN DOOR,PLACE PART IN OVEN, CLOSE DOOR,OPEN DOOR,REMOVE AND PLACE PART ON DRAIN RACK,CLOSE OVEN DOOR,PLACE PART IN INSPECT BOOTH,INSPECT WITH BLACK LIGHT,PLACE IN WASH BOOTH,WASH PART AND ASIDE ENDS-WITH PART WASHED AND ASIDE CONDITIONS-SEE 709 SITPMXX FOR DEFINITIONS OF SIMPLE,COMPLEX AND VERY COMPLEX PARTS</p> <table><tr><th>PART SIZE INCHES</th><th>SIMPLE SHAPE A</th><th>COMPLEX SHAPE B</th><th>VERY COMPLEX SHAPE C</th></tr><tr><td>SMALL-TO 12X12</td><td>A 6260</td><td>6870</td><td>14250</td></tr><tr><td>MEDIUM-12X12 TO 18X18</td><td>B 6840</td><td>7720</td><td>22460</td></tr><tr><td>LARGE-18X18 TO 30X30</td><td>C 7670</td><td>9020</td><td>31120</td></tr><tr><td>BASKET OF SMALL PARTS</td><td>D 9410</td><td>11570</td><td>56000</td></tr></table>	PART SIZE INCHES	SIMPLE SHAPE A	COMPLEX SHAPE B	VERY COMPLEX SHAPE C	SMALL-TO 12X12	A 6260	6870	14250	MEDIUM-12X12 TO 18X18	B 6840	7720	22460	LARGE-18X18 TO 30X30	C 7670	9020	31120	BASKET OF SMALL PARTS	D 9410	11570	56000
PART SIZE INCHES	SIMPLE SHAPE A	COMPLEX SHAPE B	VERY COMPLEX SHAPE C																							
SMALL-TO 12X12	A 6260	6870	14250																							
MEDIUM-12X12 TO 18X18	B 6840	7720	22460																							
LARGE-18X18 TO 30X30	C 7670	9020	31120																							
BASKET OF SMALL PARTS	D 9410	11570	56000																							
NAA	709	MAA	CZMOIXX	SITPMXX	TABLE	<p>PART,MAGNAFLUX STARTS-WITH GET GLOVES INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PUT ON GLOVES,TAKE OFF GLOVES,GET AND POSITION COIL,SET TRANSFER SWITCH,SET CURRENT CONTROL, COAT PART WITH MAGNAFLUX(DIP),POSITION PART IN COIL,ACTUATE SWITCH TO CHARGE PART(AVERAGE TWO),CHANGE TRANSFER SWITCH,RE-SET CURRENT CONTROL,REPOSITION PART IN COIL,RE-ACTUATE SWITCH TO CHARGE PART,INSPECT FOR CRACKS,TURN DEMAGNETIZER ON,PASS PART THROUGH UNIT(AVERAGE THREE TIMES),WASH AND ASIDE PART ENDS-WITH ASIDE PART CONDITIONS-SMALL PARTS HAND HELD-MEDIUM AND LARGE PARTS POSITIONED AND SECURED ON END BLOCKS-SIMPLE SHAPE/SURFACE-READILY OR EASILY ACCESSIBLE,REQUIRES LITTLE OR NO REPOSITIONING DURING OPERATION;COMPLEX SHAPE/SURFACE-SOME RECESSED,RESTRICTED OR DIFFICULT ACCESS AREAS AND REQUIRES REPOSITIONING OF THE OBJECT OR TOOL DURING THE OPERATION;VERY COMPLEX-SHAPE/ SURFACE-NUMEROUS RECESSED,RESTRICTED OR DIFFICULT ACCESS AREAS,REQUIRES FREQUENT REPOSITIONING OF OBJECT OR TOOLS DURING OPERATION</p> <table><tr><th>PART SIZE (INCHES)</th><th>SIMPLE SHAPE A</th><th>COMPLEX SHAPE B</th><th>VERY COMPLEX SHAPE C</th></tr><tr><td>SMALL-TO 12X12</td><td>A 3440</td><td>4520</td><td>14670</td></tr><tr><td>MEDIUM-12X12 TO 18X18</td><td>B 4650</td><td>6010</td><td>15710</td></tr><tr><td>LARGE-18X18 TO 30X30</td><td>C 4870</td><td>6130</td><td>15850</td></tr><tr><td>SMALL-EACH ADDITIONAL PART</td><td>D 1540</td><td>1970</td><td>7370</td></tr></table>	PART SIZE (INCHES)	SIMPLE SHAPE A	COMPLEX SHAPE B	VERY COMPLEX SHAPE C	SMALL-TO 12X12	A 3440	4520	14670	MEDIUM-12X12 TO 18X18	B 4650	6010	15710	LARGE-18X18 TO 30X30	C 4870	6130	15850	SMALL-EACH ADDITIONAL PART	D 1540	1970	7370
PART SIZE (INCHES)	SIMPLE SHAPE A	COMPLEX SHAPE B	VERY COMPLEX SHAPE C																							
SMALL-TO 12X12	A 3440	4520	14670																							
MEDIUM-12X12 TO 18X18	B 4650	6010	15710																							
LARGE-18X18 TO 30X30	C 4870	6130	15850																							
SMALL-EACH ADDITIONAL PART	D 1540	1970	7370																							



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA ELEMENT	OCCUP- ATION	QUALITY	SOURCE CODE	OWNSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FFD	709	TBA	GPIIZBI	SITPZOI	4034	PARTS, INSPECT WITH BLACK LIGHT (ZYGLD) STARTS-WITH TURN TO GET LIGHT INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE BLACK LIGHT, PULL CORD TO TURN OFF LIGHTS, MOVE BLACK LIGHT TO FOCUS, ZYGLO INSPECT PALLET OF PARTS, PULL CORD TO TURN ON LIGHTS, ASIDE BLACK LIGHT TO HOLDER ENDS-WITH ASIDE BLACK LIGHT TO HOLDER CONDITIONS-TIME IS TO INSPECT ONE PALLET LOAD OF VARIOUS SIZE PARTS-PALLET TO 20X30 INCHES
FFE	709	TUA	GITMIXA	SITSAXX	VARIABLE	SOLUTION(MAGNETIC), APPLY TO PART STARTS-WITH REACH TO SPRAY NOZZLE INCLUDES-ALL THE MOTIONS AND PROCESS TIME NECESSARY TO GET SPRAY NOZZLE, APPLY SOLUTION TO FIRST HALF OF OBJECT, TURN OBJECT OVER WHEN NECESSARY AND APPLY SOLUTION TO OTHER SIDE, ASIDE NOZZLE ENDS-WITH ASIDE NOZZLE 3382 CASE 01 APPLY SOLUTION TO VERY LARGE OBJECT- TURN OVER WITH HOIST 2756 02 APPLY SOLUTION TO LARGE OBJECT-TURN OVER WITH HOIST 789 03 APPLY SOLUTION TO MEDIUM OBJECT-TURN OVER BY HAND 180 04 APPLY SOLUTION TO SMALL OBJECT-TURN OVER BY HAND(ONE HAND) 21 05 APPLY SOLUTION TO VERY SMALL OBJECT- PARTS IN BASKET(20)-PER PART 715 06 VERY LARGE PART-30 TO 60 POUNDS-ONE SIDE ONLY 432 07 LARGE PART-10 TO 30 POUNDS-ONE SIDE ONLY
FFD	709	TBA	GPIIZX3	SITSSXX	VARIABLE	SOLUTION(ZYGLO), SPRAY ON PART STARTS-WITH TURN TO ZYGLO TANK INCLUDES-ALL THE MOTIONS AND PROCESS TIME TO SPRAY PART WITH ZYGLO SOLUTION ENDS-WITH HOSE PLACED IN HOLDER 789 CASE 01 VERY LARGE PART 30-60 POUNDS 149 02 LARGE PART 10 TO 30 POUNDS
MAA	709	MAA	SCCBGOL	SITTIOI	1440	TERMINAL(BALL), INSPECT, AIRCRAFT CONTROL CABLE STARTS-WITH GET BALL TERMINAL INCLUDES-ALL MOTIONS NECESSARY TO GET CLOTH, WIPE BALL TERMINAL, VISUALLY EXAMINE BALL, GET MICROMETER, MEASURE BALL, MEASURE SHANK, AND ASIDE MICROMETER ENDS-WITH ASIDE BALL TERMINAL
FFE	709	MAA	GITMIXI	NJPIPOI	165	INSPECTION(MAGNAGLO), PREPARE TO PERFORM STARTS-WITH REACH TO CANOPY ACTUATE LEVER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE CANOPY OVER RACK, GET UNDER CANOPY ENDS-WITH OPERATOR UNDER CANOPY CONDITIONS-DOES NOT INCLUDE TIME TO INSPECT OBJECT
FFE	709	MAA	GNFRAAI	SNFRIOI	314	RIVETS, INSTALL WITH HAMMER AND PUNCH STARTS-WITH REACH TO GET RIVET INCLUDES-ALL THE MOTIONS NECESSARY TO GET RIVET AND PLACE IN HOLE, ALIGN RIVET ON RIVET SET, GET PUNCH, GET HAMMER, STRIKE PUNCH, ASIDE HAMMER AND PUNCH ENDS-WITH HAMMER AND PUNCH ASIDE CONDITIONS-USE RIVET SET-STRIKE PUNCH THREE TIMES-ALUMINUM RIVET



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	709	MAA	KNFRV0X	SNFRRX	VARIABLE	RIVET, REMOVE WITH DRILL, HAMMER AND PUNCH STARTS-WITH GET CENTER PUNCH AND HAMMER INCLUDES-ALL THE MOTIONS NECESSARY TO CENTER PUNCH RIVET(S), GET DRILL AND DRILL RIVET(S), ASIDE DRILL, GET PUNCH AND HAMMER, POSITION PUNCH ON RIVET AND STRIKE PUNCH WITH HAMMER TO REMOVE RIVET, ASIDE PUNCH, HAMMER AND RIVET ENDS-WITH ASIDE RIVET(S), PUNCH AND HAMMER CONDITIONS-HAMMER TO 2.5 POUNDS ENW-STRIKE TWO TIMES TO REMOVE RIVET CASE 01 REMOVE FIRST OR SINGLE RIVET 02 REMOVE EACH ADDITIONAL RIVET 665 484
NAA	709	MAA	SLRCQ01	SOHCD01	380	COMPONENT, DEMAGNETIZE STARTS-WITH REACH TO SWITCH INCLUDES-ALL THE MOTIONS NECESSARY TO ACTUATE THE DEMAGNETIZER, GET AND PLACE PART ON TRAY, SET TIMER, PLACE PART IN POSITION TO WORK, GET FLUXMETER, USE FLUXMETER(TWO MOVES), LOOK AT FLUXMETER AND READ(EACH MOVE), ASIDE METER AND PART ENDS-WITH ASIDE PART CONDITIONS-PART WEIGHS UP TO THREE POUNDS
FFD	709	TBA	GPIIZDS	SPTP001	393	TABLE(DIP), RAISE AND LOWER STARTS-WITH ACTUATE CONTROL VALVE LEVER INCLUDES-ALL THE PROCESS TIME TO DIP PARTS IN ZYGLO SOLUTION AND MOMENTARILY DRAIN EXCESS SOLUTION ENDS-WITH PARTS DIPPED CONDITIONS-APPLIES TO PARTS OF ALL SIZES-PER DIP
NAA	709	MAA	ACCPJ02	SSUPSXX	VARIABLE	PROOFLOADER(AIRCRAFT CONTROL CABLE), SET UP AND INSTALL EXTENSION CABLE STARTS-WITH REACH TO GET HOLDING BLOCKS INCLUDES-ALL THE MOTIONS NECESSARY TO GET BLOCKS AND SET UP PROOFLOADER, GET EXTENSION CABLE, HOOK CABLE TO RAM, LOCK CABLE IN PLACE, UNLOCK AND REMOVE CABLE, ASIDE CABLE ENDS-WITH ASIDE CABLE CONDITIONS-WALKING TO GET AND RETURN BLOCK TO AND FROM PROOFLOADER AND TO AND FROM EXTENSION CABLE STORAGE IS NOT INCLUDED CASE 01 SET UP PROOFLOADER 02 INSTALL EXTENSION CABLE 3974 486
NAA	709	MAA	ACCSJ01	SSUSS01	1192	SWAGER(AIRCRAFT CONTROL CABLE), SET UP AND TAKE DOWN STARTS-WITH REACH TO GET DIES INCLUDES-ALL THE MOTIONS NECESSARY TO GET DIES AND OPEN SWAGER DOOR, INSTALL DIES IN SWAGER, CLOSE DOOR, OPEN AND CLOSE LUBRICATION VALVE, TURN MASTER SWITCH ON AND OFF, OPEN SWAGER DOOR AND PRY DIES LOOSE WITH TOOL AND REMOVE, PUT DIES AWAY ENDS-WITH DIES PUT AWAY
NAA	709	MAA	ACCSJ02	SSUSS02	2524	SWAGER(AIRCRAFT CONTROL CABLE), SET UP STARTS-WITH BEND TO SWAGER INCLUDES-ALL THE MOTIONS NECESSARY TO BEND, PICK UP SWAGER AND PLACE ON WORK BENCH, BEND TO GET FOOT CONTROL, PUT CONTROL IN PLACE, ARISE, GET AIR HOSE, UNCOIL AND CONNECT HOSE TO SWAGER, SELECT DIES AND PLACE IN SWAGER, REMOVE SWAGER DIES, ASIDE DIES, GET SWAGER, BEND TO PUT AWAY, ARISE, STOOP TO FOOT CONTROL, PUT AWAY, ARISE ENDS-WITH ARISE FROM STOOP



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	709	MUO	FREXXXX	MTLRUXX	VARIABLE	<p>REAMER(HAND),USE,PER 1/4 INCH DEPTH OF HOLE STARTS-WITH REAMER IN HAND INCLUDES-ALL MOTIONS NECESSARY TO REAM A HOLE PER 1/4 INCH DEPTH AND TO REMOVE REAMER FROM HOLE ENDS-WITH REAMER IN HAND CONDITIONS-REAMER HAS T-HANDLE WITH 5 INCH GRASP RADIUS</p> <p>564 CASE 01 CYLINDRICAL HOLE,FIRST 1/4 INCH DEPTH, FERROUS AND NON-FERROUS MATERIALS, EXCEPT STAINLESS STEEL</p> <p>539 02 CYLINDRICAL HOLE,EACH ADDITIONAL 1/4 INCH DEPTH,FERROUS AND NON-FERROUS MATERIALS,EXCEPT STAINLESS STEEL</p> <p>1032 03 CYLINDRICAL HOLE,FIRST 1/4 INCH DEPTH, STAINLESS STEEL</p> <p>1007 04 CYLINDRICAL HOLE,EACH ADDITIONAL 1/4 INCH DEPTH,STAINLESS STEEL</p> <p>1231 05 TAPERED HOLE,FIRST 1/4 INCH DEPTH, FERROUS AND NON-FERROUS MATERIALS, EXCEPT STAINLESS STEEL</p> <p>1206 06 TAPERED HOLE,EACH ADDITIONAL 1/4 INCH DEPTH,FERROUS AND NON-FERROUS MATERIAL EXCEPT STAINLESS STEEL</p>
NAA	709	MAA	ACCSRO1	STLFS01	3000	<p>FITTING(AIRCRAFT CONTROL CABLE),SALVAGE STARTS-WITH REACH TO GET SCRAPPED CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION SCRAP TO CUTTER,REMOVE FITTINGS AND CUT CABLE INTO UNREUSABLE PIECES,ASIDE FITTINGS AND PIECES ENDS-WITH ASIDE FITTINGS CONDITIONS-MAKE SIX CUTS,18 INCHES APART-HAND OPERATED CUTTER</p>
FFE	709	MAA	GTLTMAX	STLHTXX	VARIABLE	<p>HOLE,TAP STARTS-WITH REACH TO TAP AND HANDLE(T-TYPE) INCLUDES-ALL THE MOTIONS NECESSARY TO ASSEMBLE TAP AND HANDLE,LUBRICATE TAP,RUN TAP DOWN AND BACK TAP OUT,DISASSEMBLE TAP AND HANDLE,ASIDE TAP AND HANDLE ENDS-WITH ASIDE TAP AND HANDLE CONDITIONS-UP TO 0.25 INCH THREAD DIAMETER-TO EIGHT THREADS DEEP-NON FERROUS METAL</p> <p>1427 CASE 01 FIRST OR SINGLE HOLE</p> <p>1047 02 EACH ADDITIONAL HOLE</p>
NAA	709	MAA	ACCMNXX	STLSIXX	VARIABLE	<p>SLEEVE(NICOPRESS),INSTALL(CRIMP) STARTS-WITH REACH TO SLEEVE INCLUDES-ALL THE MOTIONS NECESSARY TO GET SLEEVE,POSITION TO CABLE,MEASURE AND MARK, CRIMP TEMPORARILY WITH DIAGONALS,GET CRIMPING TOOL,POSITION TOOL IN HOLDING FIXTURE,GET CABLE AND SLEEVE AND POSITION TO TOOL,CRIMP NICOPRESS SLEEVE,REMOVE ASSEMBLY FROM TOOL,CUT OFF EXCESS CABLE,START GRINDER,GRIND END OF CABLE,SHUT OFF GRINDER,EXAMINE AND ASIDE CABLE ENDS-WITH ASIDE CABLE CONDITIONS-WALK 10 FEET TO GRINDER AND 10 FEET RETURN</p> <p>5020 CASE 01 INSTALL FIRST OR SINGLE SLEEVE</p> <p>3940 02 INSTALL EACH ADDITIONAL SLEEVE</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	TUA	AIDBRXX	SOABCXX	VARIABLE	<p>BAND(SEALING),CLEAN AND REMOVE FROM INSTRUMENT STARTS-WITH REACH TO BAND ON INSTRUMENT INCLUDES-ALL THE MOTIONS NECESSARY TO CLEAN BAND TO REMOVE LIGHT DUST OR SMALL PARTICLES OF DIRT,ASIDE CLEANING IMPLEMENT,LOCATE BAND TAB,GET SOLDERING IRON AND HEAT BAND TO MELT SOLDER(USING HEAT SINK),REMOVE AND ASIDE BAND, ASIDE IRON ENDS-WITH ASIDE BAND AND IRON CONDITIONS-CLEAN WITH BRUSH,SANDPAPER,CLOTH OR SCRAPPER,(WITH OR WITHOUT SOLVENT)</p> <p>2044 CASE 01 BAND TO 10 INCHES-CASE DIAMETER TO THREE INCHES-BAND 3/16-3/8 INCHES WIDE-CASE .020 TO .045 INCHES THICK- READILY ACCESSIBLE SURFACE-NORMAL HEAT SINK</p> <p>3452 02 BAND 10 TO 20 INCHES LONG-CASE DIA- METER 3 TO 6 INCHES-BAND 7/16 TO 5/8 INCHES-CASE .020 TO .045 INCHES THICK, READILY ACCESSIBLE SURFACE-NORMAL HEAT SINK</p> <p>3798 03 BAND 20 TO 40 INCHES LONG-CASE DIA- METER OVER SIX INCHES-BAND 5/8 TO 3/4 INCHES WIDE-CASE .020 TO .045 INCHES THICK-READILY ACCESSIBLE SURFACE- NORMAL HEAT SINK</p> <p>5882 04 SAME AS CASE 02 EXCEPT CASE .046 TO .065 INCHES THICK-HIGH HEAT SINK</p> <p>9908 05 SAME AS CASE 03 EXCEPT CASE .046 TO .090 INCHES THICK-HIGH HEAT SINK</p>
NAA	710	MAA	SLRCN39	SDACIO1	4798	<p>COMPONENT(PIGTAIL),INSTALL STARTS-WITH REACH TO GET CAPSULE CONTAINING PIGTAIL INCLUDES-ALL THE MOTIONS NECESSARY TO GET CAPSULE AND OPEN,REMOVE PIGTAIL AND ASIDE CAPSULE HALVES,GET RAZOR BLADE AND CUT PIGTAIL TO LENGTH,ASIDE BLADE AND SCRAP,GET MICROSCOPE BASE AND LIGHT,POSITION FOR USE,TURN ON AND POSITION LIGHT,LOOSEN LOCK KNOB AND ADJUST HEIGHT OR LENGTH OF PLANE,TIGHTEN LOCK KNOB, POSITION HEAD TO EYEPiece,ADJUST EYE WIDTH, SELECT POWER,FOCUS,POSITION PIGTAIL,GET TWEEZERS AND POSITION PIGTAIL TO TERMINAL (FIRST END),SOLDER END TO TERMINAL,REPOSITION WORK,GET,POSITION AND SOLDER SECOND END,ASIDE IRON AND TWEEZERS,REPOSITION PART FROM MICRO- SCOPE,GET BRUSH AND MOVE TO ALCOHOL,DIP BRUSH IN ALCOHOL AND BRUSH TERMINALS(TWO),EXAMINE PIGTAIL AND TERMINAL,ASIDE BRUSH ENDS-WITH ASIDE BRUSH CONDITIONS-APPLICABLE TO LITTON GYROS AND ACCELEROMETERS</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA MINUTE	OCCUP- ATION	QUALITY	SOURCE TIME	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
MAA	710	MRA	A10CPXX	SDACRXX	VARIABLE	CASE(INSTRUMENT),REPAIR STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET IRON AND HEAT TO REMOVE SOLDER FROM CASE,ASIDE IRON AND CLEAN WORKBENCH,CLEAN CASE OF HEAVY CLINGING DUST AND DIRT,LIGHT STAINS,LIGHT CORROSION,OIL OR GREASE BY MILD SCRUBBING WITH CLOTH,BRUSH,SCRAPER OR SANDPAPER(WITH OR WITH- OUT SOLVENT),ASIDE TOOL,REMOVE COVER,CHECK FOR BURRS,FILE SMOOTH,RE-INSTALL COVER,TAPE COVER IN PLACE AND INSTALL MASKING TAPE ENDS-WITH INSTALL MASKING TAPE 6854 CASE 01 SMALL INSTRUMENT-.020-.045 INCH THICK CASE,TO THREE INCHES DIAMETER-NORMAL HEAT SINK 11772 02 MEDIUM INSTRUMENT-.020-.045 INCH THICK CASE,THREE TO SIX INCHES DIAMETER- NORMAL HEAT SINK 17808 03 LARGE INSTRUMENT-.020-.045 INCH THICK CASE,OVER SIX INCHES DIAMETER-NORMAL HEAT SINK 14682 04 MEDIUM INSTRUMENT-.046-.065 INCH THICK CASE,THREE TO SIX INCHES DIAMETER- HIGH HEAT SINK 22208 05 LARGE INSTRUMENT-.046-.090 INCH THICK CASE,OVER SIX INCHES DIAMETER-HIGH HEAT SINK
FFE	710	MAA	OIGDSC2	SDACR06	383	CUPS(TERMINAL-GYRO MOTOR),REMOVE STARTS-WITH REACH TO GET MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE MOTOR AND PLIERS,POSITION PLIERS TO CUP,LOUSEN TWO CUPS,DISENGAGE CUPS AND PLACE ASIDE,ASIDE PLIERS ENDS-WITH ASIDE CUPS AND PLIERS CONDITIONS-USE SPECIAL PLIERS-DOES NOT INCLUDE CUTTING WIRE LEADS-REMOVE TWO CUPS
FFE	710	MAA	KPMEGRA	SDADR01	4006	DIAL(PRESSURE GAUGE),REMOVE AND REPLACE STARTS-WITH REACH TO GET TOOLS INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOLS,REMOVE AND REPLACE POINTER,REMOVE AND REPLACE DIAL ENDS-WITH TOOLS ASIDE AFTER REPLACING POINTER CONDITIONS-LENS HAS BEEN REMOVED PRIOR TO THIS OPERATION-GAUGE WEIGHS UP TO 40 POUNDS
FFE	710	TUA	OIGDP04	SDAGR01	1644	GUARD(GYRO HEADER PIN),REMOVE STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND TIN SOLDERING IRON,PLACE IRON TO PART,HEAT PART,GET PLIERS AND SEPARATE PART(BOTH ENDS), REMOVE AND ASIDE GUARD,CLEAN PARTS WITH TOWEL, ASIDE PLIERS AND SOLDERING IRON ENDS-WITH ASIDE GUARD AND TOOL CONDITIONS-GUARD SOLDERED AT BOTH ENDS-47.5-50 WATT IRON USED-UNSOLDER 09 TO 12 GAGE WIRE OR EQUIVALENT
FFE	710	EUA	OIGDSM1	SDAHT01	2687	HOUSING AND CAP(LARGE GYRO MOTOR),TIN MATING EDGES STARTS-WITH REACH TO GET CAP INCLUDES-ALL THE MOTIONS NECESSARY TO GET PART AND SOLDERING IRON,GET HOUSING,PLACE CAP AND HOUSING IN FRONT OF OPERATOR,TIN MATING EDGES OF CAP AND HOUSING ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-USE 350 WATT SOLDERING IRON



## DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DMMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	710	EUA	OIGDSLH	SDAHU01	3768	HOUSING(GYRD MOTOR),UNSEAL,TIN MATING EDGES STARTS-WITH REACH TO GET MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET, SECURE AND REMOVE MOTOR FROM PIN SHAFT TYPE HOLDING FIXTURE,GET AND ASIDE SOLDERING IRON, HEAT WIRE SEAL,LIFT UNSOLDERED WIRE WITH KNIFE AND PEEL OFF WITH PLIERS,GET CAP AND HOUSING AND TIN MATING EDGES,ASIDE IRON,ASIDE CAP AND HOUSING ENDS-WITH ASIDE TINNED CAP AND HOUSING CONDITIONS-USE 350 WATT SOLDERING IRON, LONG NOSE PLIERS-LARGE MOTOR
FFE	710	EUA	OIGDSMH	SDAHU02	6976	HOUSING(GYRD MOTOR-MEDIUM),UNSEAL STARTS-WITH PLACE SOLDERING IRON TO CLEAN INCLUDES-ALL THE MOTIONS NECESSARY TO CLEAN AND TIN SOLDERING IRON,UNSEAL CAP AND HOUSING, TIN HOUSING AND CAP MATING EDGES ENDS-WITH CAP AND HOUSING SEPARATED,TINNED AND ASIDE CONDITIONS-USE 350 WATT SOLDERING IRON
NAA	710	TUA	JIRIBSS	SDAISXX	VARIABLE	INSTRUMENT,SEAL WITH SOLDERING IRON STARTS-WITH GET UNIT INCLUDES-ALL MOTIONS NECESSARY TO CONNECT SOLDERING IRON,PUT ON SAFETY GLASSES,ADJUST IRON HEAT,CHECK INSTRUMENT SIZE,SELECT PROPER BAND SIZE,CUT TO LENGTH,TRIM BAND TO WIDTH, PLACE INSTRUMENT IN HOLDING FIXTURE,POSITION AND SOLDER BAND,AND REMOVE INSTRUMENT FROM FIXTURE ENDS-WITH ASIDE INSTRUMENT CASE 01 SMALL INSTRUMENT TO 3 INCHES DIAMETER 02 MEDIUM INSTRUMENT 3-6 INCHES DIAMETER 03 LARGE INSTRUMENT 6-10 INCHES DIAMETER 18210 24660 42600
NAA	710	MUA	JIRIBSU	SDAIUXX	VARIABLE	INSTRUMENT,UNSEAL WITH IRON STARTS-WITH GET INSTRUMENT INCLUDES-ALL MOTIONS NECESSARY TO CONNECT SOLDERING IRON,PUT ON SAFETY GLASSES,ADJUST IRON HEAT,GET AND UNCOIL SOLDER TO TIN IRON, REMOVE BAND FROM INSTRUMENT,REMOVE FROM CASE, REMOVE SOLDER FROM CASE,PLACE INSTRUMENT IN CASE AND ASIDE,AND DISCONNECT AND ASIDE IRON ENDS-WITH REMOVE SAFETY GLASSES CASE 01 SMALL INSTRUMENT,TO 3 INCHES DIAMETER 02 MEDIUM INSTRUMENT,3-6 INCHES DIAMETER 03 LARGE INSTRUMENT,6-10 INCHES DIAMETER 9830 12530 14730
NAA	710	MUA	JIRIBHU	SDAIU04	22470	INSTRUMENT,UNSEAL WITH INDUCTION HEATER STARTS-WITH GET INSTRUMENT INCLUDES-ALL MOTIONS NECESSARY TO GET SPECIAL TOOL AND ATTACH TO INSTRUMENT,CHANGE COIL IN INDUCTION HEATER,PUT ON SAFETY GLASSES AND GLOVES,TURN HEATER ON,ALLOW 1.8 MINUTES FOR WARM-UP,PASS INSTRUMENT THROUGH COIL,UNSEAL INSTRUMENT(APPROXIMATELY .5 MINUTE),REMOVE INSTRUMENT FROM HEATER,WIPE EXCESS SOLDER,TURN POWER OFF,REMOVE AND ASIDE SPECIAL TOOL,AND ASIDE INSTRUMENT ENDS-WITH REMOVE GLOVES AND SAFETY GLASSES
FFF	710	MAA	KPMEGRC	SDALR01	1876	LENS(GAUGE),REPLACE IN GAUGE STARTS-WITH REACH TO GET TOOLS INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOLS,REPOSITION GAUGE,REMOVE AND ASIDE BEZEL, REMOVE AND ASIDE LENS,GET NEW LENS,ALIGN TO GAUGE AND BEZEL,PLACE ON GAUGE,TIGHTEN,ASIDE TOOLS ENDS-WITH ASIDE TOOLS CONDITIONS-FASTEN WITH TWO SCREWS-SCREWDRIVER, NORMAL POSITION,RUN SCREWS IN AND OUT FIVE TO 10 THREADS-GAUGE WEIGHS UP TO 40 POUNDS



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DMNSTP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	710	EUA	OIGDSL	SDAMU01	14270	MOTOR(GYRO=LARGE),UNSEAL STARTS-WITH REACH TO IMPLEMENT TO APPLY FLUX TO TUBE INCLUDES-ALL THE MOTIONS NECESSARY TO APPLY FLUX,HEAT IRON,CLEAN AND TIN TIP,PLACE FLUX, BRUSH AND SOLDER ASIDE,GET SOLDERING IRON, PLIERS,APPLY HEAT TO EVACUATION TUBE,REMOVE TUBE WITH PLIERS FROM SEAL NUT HOLE,ASIDE TUBE AND PLIERS,MOUNT MOTOR IN FIXTURE,UNSOLDER NUTS AND CLEAN SOLDER FROM ALL PARTS, ASIDE MOTOR,GET AND PLACE MOTOR IN PIN SHAFT TYPE HOLDING FIXTURE,REMOVE SEAL WIRE WITH SOLDERING IRON AND PEEL FROM HOUSING WITH PLIERS,ASIDE IRON AND PLIERS,ASIDE CAP AND HOUSING,ASIDE MOTOR ENDS-WITH ASIDE MOTOR CONDITIONS-USE 350 WATT SOLDERING IRON,LONG NOSE PLIERS
FFE	710	EUA	OIGDSMA	SDAMU02	14677	MOTOR(GYRO=MEDIUM),UNSEAL AND SEPARATE INTO SUB-ASSEMBLIES STARTS-WITH APPLY FLUX TO EVACUATION TUBE INCLUDES-ALL THE MOTIONS NECESSARY TO UNSEAL EVACUATION TUBE AND REMOVE,ASIDE PLIERS,UNSEAL MEDIUM MOTOR SEAL NUT,INSTALL/REMOVE MOTOR IN FIXTURE,UNSEAL HOUSING AND CAP ASSEMBLY, TIN SEAL EDGES WITH IRON AFTER APART(MEDIUM MOTOR) ENDS-WITH MOTOR DISASSEMBLED AND ASIDE CONDITIONS-USE 350 WATT SOLDERING IRON,PLIERS
FFE	710	EUA	OIGOSLN	SDANUX	VARIABLE	NUT(GYRO MOTOR),UNSEAL STARTS-WITH REACH TO GET MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND INSTALL,POSITION AND LOCK MOTOR IN TAPER SHAFT TYPE,DOUBLE LOCK,UNSEALING FIATURE,REMOVE AND ASIDE MOTOR,GET AND ASIDE SOLDERING IRON,UN- SOLDER NUTS ENOUGH TO FREE NUTS WITH WRENCH, REMOVE SOLDER(EXCESS)FROM SEAL NUT HOLE WITH SOLDERING IRON AND AIR,BLOW WITH AIR HOSE REMOVE EXCESS SOLDER AND SOLDER WEIGHTS FROM EXTERIOR OF MOTOR WITH SOLDERING IRON AND BRUSH,REMOVE SOLDER FROM SEAL NUT USING HOT- PLATE,PLIERS AND BRUSH ENDS-WITH ASIDE MOTOR CONDITIONS-USE TWO EACH 350 WATT SOLDERING IRONS TO UNSOLDER SEAL NUTS-OTHER UNSOLDERING WITH ONE 350 WATT IRON 9533 CASE 01 LARGE GYRO MOTOR 6732 02 MEDIUM GYRO MOTOR
FFE	710	MAA	KPNEGAA	SDAPI01	375	POINTER(PRESSURE GAUGE),INSTALL STARTS-WITH REACH TO GET TOOLS INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN TOOLS,REPOSITION OBJECT,ASSEMBLE PART WITH TWEEZERS,VISUALLY INSPECT AND SEAT POINT ENDS-WITH ASIDE TOOLS CONDITIONS-OBJECT HANDLED WEIGHS TO 40 POUNDS, APPLIES TO PRESSURE GAUGE OR SIMILAR TYPE INSTRUMENT
NAA	710	MUA	AIAPN01	SDAPP01	1900	PLUG(SEALING),POSITION AND SOLDER TO INSTRUMENT STARTS-WITH REACH TO GET SEALING PLUG INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLUG AND POSITION TO INSTRUMENT,GET SOLDER AND IRON,SOLDER PLUG TO INSTRUMENT,ASIDE IRON AND SOLDER,WITH PLIERS,REMOVE AND EXAMINE INSTALLATION ENDS WITH EXAMINE INSTALLATION



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	710	MAA	KPMEGRB	SDAPRO1	1856	POINTER(GAUGE OR INSTRUMENT), REPLACE STARTS-WITH REPOSITION GAUGE OR INSTRUMENT INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE A POINTER FROM A GAUGE OR INSTRUMENT WITH A SCREW TYPE PULLER ENDS-WITH ASIDE TOOLS CONDITIONS-GAUGE OR INSTRUMENT WEIGHS UP TO 40 POUNDS
NAA	710	MUA	AIDPRO1	SDAPRO2	1950	PLUG(SEALING), REMOVE FROM INSTRUMENT STARTS-WITH POSITION INSTRUMENT FOR WORK INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION INSTRUMENT ON BENCH, GET SOLDERING IRON, HEAT PLUG TO MELT SOLDER, REMOVE AND ASIDE PLUG, ASIDE IRON, CLEAN AREA AROUND PLUG HOLE ENDS-WITH CLEAN AREA
NAA	710	MAA	SIRCA02	SDASPO1	6300	SPRING(HAIR), POSITION STARTS-WITH REACH TO GET TWEEZERS INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP HAIR SPRING WITH TWEEZER, ALIGN AND POSITION SPRING, CHECK CLEARANCE(VISUAL), ASIDE TWEEZERS ENDS-WITH CHECK COMPLETE AND ASIDE TWEEZERS
FFE	710	EUA	OIGDSH2	SDASRO1	2666	SOLDER(EXCESS), REMOVE FROM SEAL EDGES OF CAP AND HOUSING(GYRO MOTOR) STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET SOLDERING IRON, GET AND REMOVE EXCESS SOLDER FROM SEAL EDGE OF CAP AND HOUSING, TIN EDGES, ASIDE SOLDERING IRON ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-MEDIUM GYRO MOTOR
FFE	710	EUA	OIGDSN2	SDASRO2	2638	SOLDER(EXCESS), REMOVE FROM SEAL NUT HOLE(GYRO MOTOR) STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET IRON AND HEAT THE SEAL NUT HOLES ENOUGH TO MELT SOLDER, BLOW MOLTEN SOLDER AWAY WITH AIR, ASIDE IRON AND AIR HOSE ENDS-WITH ASIDE AIR HOSE CONDITIONS-USE 350 WATT SOLDERING IRON
FFE	710	EUA	OIGDSN3	SDASRO3	3398	SOLDER(EXCESS) AND WEIGHTS, REMOVE FROM EXTERIOR OF LARGE GYRO MOTOR STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS AND TIME NECESSARY TO COMPLETELY REMOVE 60-40 SOLDER AND SOLDER WEIGHTS FROM HOUSINGS BY MELTING SOLDER WITH SOLDERING IRON AND BRUSH AWAY, ASIDE IRON AND BRUSH ENDS-WITH ASIDE BRUSH CONDITIONS-USE 350 WATT SOLDERING IRON-EXCESS SOLDER REMOVED FROM AREA 3X3 INCHES-REMOVE SOLDER WEIGHTS ONE SQUARE INCH UP TO 1-1/4 INCH THICK
FFE	710	MUA	KPMEGRE	SDATRO1	1582	TUBE(BOURDON), REMOVE AND REPLACE STARTS-WITH GET TOOLS INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOLS, POSITION TUBE, MELT SOLDER, REMOVE NUT WITH A NUTDRIVER(10 TO 15 THREADS-NORMAL), RE- MOVE MATING PARTS, INSTALL PART INTO HOLE OR ON STUD, TIN SOLDERING IRON, MELT SOLDER INTO NUT HOLE, INSTALL NUT ENDS-WITH ASIDE SOLDERING IRON



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	710	EUA	OIGOSLT	SDATU01	969	TUBE (EVACUATION-LARGE GYRO MOTOR), UNSEAL STARTS-WITH APPLY FLUX TO TUBE INCLUDES-ALL THE MOTIONS NECESSARY TO GET APPLICATOR AND APPLY FLUX TO TUBE, GET FLUX AND SOLDER AND BRUSH, CLEAN AND TIN IRON TIP, ASIDE FLUX, BRUSH AND SOLDER, GET SOLDERING IRON, APPLY IRON TO TUBE SEAL, GRASP TUBE WITH PLIERS AND REMOVE TUBE, ASIDE IRON, PLIERS AND PART ENDS-WITH PLIERS ASIDE CONDITIONS-USE 350 WATT SOLDERING IRON
NAA	710	MAA	AIAIT85	MITIT01	1370	INSTRUMENT, TEST (SET UP FOR LEAK TEST) BENCH STARTS-WITH GET INSTRUMENT AND PLACE ON PURGE BENCH INCLUDES-ALL MOTIONS NECESSARY TO CONNECT FILL HOSE TO FILL TUBE, OPEN GAS VALVE, AND REGULATE PRESSURE, CLOSE GAS VALVE ENDS-WITH CLOSE GAS VALVE CONDITION-TIME TO WALK TO AND FROM PURGE BENCH IS NOT INCLUDED
NAA	710	MAA	AIAIT85	MITIT02	1370	INSTRUMENT, TEST FOR LEAKS STARTS-WITH OPEN GAS VALVE INCLUDES-ALL MOTIONS NECESSARY TO SUBMERGE INSTRUMENT IN FLUID, INSPECT FOR LEAKS, REMOVE INSTRUMENT FROM FLUID, AND CLOSE GAS VALVE ENDS-WITH RELEASE OF VALVE
NAA	710	TUA	AIAIT85	MITIT03	1340	INSTRUMENT, TEST (REPAIR ONE LEAK) PER LEAK STARTS-WITH PLACE INSTRUMENT IN FIXTURE INCLUDES-ALL MOTIONS NECESSARY TO SOLDER ONE LEAK ENDS-WITH REMOVE INSTRUMENT FROM FIXTURE CONDITION-TIME TO WALK TO AND FROM SOLDER BENCH NOT INCLUDED
NAA	710	MUA	AIAIT85	MITIT04	2160	INSTRUMENT, TEST (PURGE AND GAS FILL) STARTS-WITH POSITION INSTRUMENT WITH FILL TUBE DOWN INCLUDES-ALL MOTIONS NECESSARY TO OPEN VACUUM VALVE, EVACUATE INSTRUMENT, CLOSE VACUUM VALVE, OPEN GAS VALVE, AND PRESSURIZE INSTRUMENT ENDS-WITH CLOSE GAS VALVE
NAA	710	TUA	AIAIT85	MITIT05	1550	INSTRUMENT, TEST (SEAL FILL TUBE) STARTS-WITH DISCONNECT FILL TUBE INCLUDES-ALL MOTIONS NECESSARY TO CLIP TUBE, SOLDER END, AND CLIP OFF EXCESS SOLDER WITH DIAGONAL PLIERS ENDS-WITH ASIDE INSTRUMENT AND SOLDERING IRON CONDITION-TIME TO WALK TO SOLDER BENCH NOT INCLUDED
NAA	710	TUA	AIAIT85	MITIT06	2750	INSTRUMENT, TEST (SEAL WITH SOLDERED PLUG) STARTS-WITH DISCONNECT FILL HOSE INCLUDES-ALL MOTIONS NECESSARY TO REMOVE FILLER TUBE AND INSTALL PLUG ENDS-WITH PLUG INSTALLED CONDITION-TIME TO WALK TO SOLDER BENCH NOT INCLUDED



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWNSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	CPN8A0A	SITBC01	8960	<p>BALANCER (GISHOLT MODEL "S"), CALIBRATE  STARTS-WITH REACH TO DIALS  INCLUDES-ALL MOTIONS NECESSARY TO TURN SIX  DIALS TO ZERO, START MACHINE, TURN LEFT/RIGHT  SWITCH TO LEFT 0-50, ADJUST FILTER DIAL NUMBER  TWO FOR MAXIMUM METER READING, ADJUST FILTER  DIAL NUMBER THREE FOR MAXIMUM METER READING,  ADJUST CALIBRATION DIAL NUMBER SIX TO BRING  BACK ON SCALE, ADJUST CALIBRATION DIAL NUMBER  SEVEN TO SAME POSITION AS NUMBER SIX; LOOSEN  AND TIGHTEN LIGHT THUMBSCREW, GET LIGHT,  POSITION LIGHT, GET AND ASIDE TOOL, LOOSEN AND  TIGHTEN NUT, ADJUST LIGHT, ATTACH STRIP ON UNIT,  REMOVE STRIP, TURN SELECTOR SWITCH TO COARSE,  START MACHINE, TURN LEFT/RIGHT SWITCH TO LEFT  0-50 AND READ, ADJUST LEFT COMPENSATOR CONTROLS  FOR 0 METER READING, TURN RIGHT CALIBRATION  NUMBER SIX BACK TO 0 OR 100, GET AND ASIDE  TOOL, LOOSEN AND TIGHTEN LIGHT, GET LIGHT, ASIDE  LIGHT, TURN COMPENSATOR TO OUT; APPLY WAX ON  LEFT CORRECTION PLANE, START MACHINE, TURN LEFT/  RIGHT SWITCH 0-50, ADJUST PLANE SEPARATION DIAL  NUMBER FIVE FOR ZERO METER READING, TURN LEFT/  RIGHT SWITCH TO 0-10, ADJUST PLANE SEPARATION  DIAL NUMBER FIVE FOR ZERO METER READING, STOP  MACHINE, REMOVE WAX; EXAMINE FOR UNBALANCE SPOT,  START MACHINE, TURN LEFT/RIGHT SWITCH 0-50 AND  OBSERVE ANGLE OF UNBALANCE, ADJUST FILTER DIAL  NUMBER THREE TO ALIGN UNBALANCE SPOT, STOP  MACHINE, REMOVE WAX, APPLY WAX TO LEFT END OF  UNIT AT KNOWN ANGLE, START MACHINE, TURN LEFT/  RIGHT SWITCH TO 0-50 AND OBSERVE ANGLE OF  UNBALANCE, ADJUST FILTER DIAL NUMBER TWO TO  ALIGN UNBALANCE SPOT, STOP MACHINE, REMOVE WAX,  PLACE KNOWN WEIGHT ON LEFT END, START MACHINE,  TURN LEFT/RIGHT SWITCH, ADJUST CALIBRATION  KNOB NUMBER SIX TO OBTAIN DESIRED READING,  STOP MACHINE AND REMOVE WEIGHT  ENDS-WITH WEIGHT REMOVED  CONDITION-APPLICABLE TO GISHOLT MODEL S  BALANCER-DOES NOT INCLUDE SET UP TO CALIBRATE-  USE 710 SIT8501</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	CPNBA08	SIT8C02	8920	<p>BALANCER(GISHOLT UJP),CALIBRATE  STARTS-WITH REACH TO SWITCH  INCLUDES-ALL MOTIONS NECESSARY TO SET ANGLE/  AMOUNT SWITCH TO AMOUNT;SET LEFT/RIGHT SWITCH  TO LEFT,COMPENSATOR SWITCH TO IN,DIALS 4,6,8,  10 TO 50;DIALS 11,13,16,17,20,21 TO 0;SWITCH  11C,13C TO AA;SWITCH 11D,13D TO 1;DIALS 15,19  TO 100,SENSITIVITY SWITCH TO FINE,CURRENT/GEN-  ERATOR DIAL TO EXTREME LEFT,OFF/ON SWITCH TO  ON,OPEN COVER ON PANEL AND CLOSE,DISTANCE TO  APPLY WEIGHTS AND RETURN,20 FEET;POSITION  UNIT,APPLY KNOWN WEIGHT AT 0 DEGREES ON LEFT  END,POSITION UNIT,APPLY KNOWN WEIGHT AT 90  DEGREES ON RIGHT END,PUSH BELT TENSION BUTTON  AND WAIT FOR GREEN LIGHT,PUSH START BUTTON,  ADJUST SPEED POTENTIOMETER,ADJUST GENERATOR  CURRENT TO 500MA,DISTANCE TO RELEASE PEDESTAL  BRAKE 20 FEET,RELEASE PEDESTAL BRAKES,TURN  GENERATOR HANDWHEEL CCW TO 0,ADJUST DIAL NO.4  FOR NULL,ANGLE/AMOUNT SWITCH TO ANGLE;ADJUST  DIAL NO.6 FOR NULL,LEFT/RIGHT SWITCH TO RIGHT;  ADJUST DIAL NO.8 FOR NULL,ANGLE/AMOUNT TO  AMOUNT;ADJUST NO.10 FOR NULL,ADJUST DIAL NO.4  FOR NULL,ANGLE/AMOUNT SWITCH TO ANGLE;ADJUST  DIAL NO.6 FOR NULL,LEFT/RIGHT SWITCH TO RIGHT;  ADJUST DIAL NO.8 FOR NULL,ANGLE/AMOUNT TO  AMOUNT,ADJUST DIAL NUMBER 10 FOR NULL,PUSH  STOP BUTTON AND STOP MACHINE,DISTANCE TO  REMOVE WEIGHTS AND RETURN 20 FEET,POSITION  UNIT,REMOVE WEIGHT LEFT END,REMOVE WEIGHT  RIGHT END,PUSH START BUTTON,ADJUST DIAL NO.11  FOR NULL,SWITCH NO.11C TO AB,ADJUST DIAL NO.11  FOR NULL,SWITCH NO.11D TO 0,ADJUST DIAL NO.11  FOR NULL,SWITCH NO.11C TO BB,ADJUST DIAL NO.11  FOR NULL,LEFT/RIGHT SWITCH TO LEFT,GENERATOR  HANDWHEEL TO 90 DEGREES,ADJUST DIAL NO.11 FOR  NULL,SWITCH NO.11C TO AB,ADJUST DIAL NO.11 FOR  NULL,SWITCH NO.11D TO 0,ADJUST DIAL NO.11 FOR  NULL,SWITCH NO.11C TO BB,ADJUST DIAL NO.11 FOR  NULL,LEFT/RIGHT SWITCH TO RIGHT,ADJUST DIAL  NO.15 FOR DESIRED LEVEL,ADJUST DIAL NO.16 FOR  DESIRED LEVEL,ADJUST DIAL NO.17 FOR NULL,LEFT/  RIGHT SWITCH TO RIGHT,ADJUST DIAL NO.19 FOR  DESIRED LEVEL,ADJUST DIAL NO.20 FOR DESIRED  LEVEL,ADJUST DIAL NO.21 FOR NULL,COMPENSATOR  SWITCH TO POSITION 22  ENDS-WITH CALIBRATION COMPLETE  CONDITIONS-APPLICABLE TO GISHOLT UJP BALANCER-  DOES NOT INCLUDE SET UP TO CALIBRATE USE 710  SITBS01</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWNSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	CPN8AOC	SIT8C03	9670	<p>BALANCER(BEAR MODEL 40082), CALIBRATE  STARTS-WITH REACH TO CONTROL SETTING  INCLUDES-ALL MOTIONS NECESSARY TO SET L-N AND  R-N AT N, SET L-1 AND R-1, SET L-0 AND R-0  AT 0 SET L-100 AND R-100 AT 100, ADJUST TUNING  CONTROL, START MACHINE, SET LEFT/RIGHT SWITCH TO  FIND LARGEST READING, ADJUST L-100 OR R-100 TO  GET READING ON SCALE, ADJUST TUNING CONTROL FOR  MAXIMUM ON METER, POSITION STROBE LIGHT, CHECK  ANGLE OF UNBALANCE, STOP MACHINE, POSITION  MACHINE, APPLY WAX TO UNIT, START MACHINE, TURN  LEFT/RIGHT SWITCH TO PREVIOUS POSITION, ADJUST  TUNING CONTROL FOR MAXIMUM READING, STOP  MACHINE, POSITION UNIT, REMOVE WAX, LOOSEN AND  TIGHTEN LIGHT THUMBSCREW, GET LIGHT, POSITION  LIGHT, GET AND ASIDE TOOL, LOOSEN AND TIGHTEN  NUT, ADJUST LIGHT, ATTACH STRIP ON UNIT, REMOVE  STRIP, TURN SELECTOR SWITCH TO COARSE, START  MACHINE, TURN LEFT/RIGHT SWITCH TO LEFT 0-50  AND READ, ADJUST LEFT COMPENSATOR CONTROLS FOR  0 METER READING, TURN LEFT CALIBRATION NO.6  BACK TO 0 OR 100, TURN LEFT/RIGHT SWITCH TO  RIGHT 0-50 AND READ, ADJUST RIGHT COMPENSATOR  CONTROLS FOR 0 METER READING, TURN RIGHT  CALIBRATION NO.6 BACK TO 0 OR 100, GET AND  ASIDE TOOL, LOOSEN AND TIGHTEN LIGHT, GET LIGHT,  ASIDE LIGHT, TURN COMPENSATOR TO OUT, ATTACH  KNOWN WEIGHT TO KNOWN ANGLE ON LEFT END, START  MACHINE, TURN LEFT/RIGHT SWITCH TO LEFT AND  NOTE ANGLE, ADJUST TUNING CONTROL, TURN LEFT/  RIGHT SWITCH TO RIGHT, ADJUST R-0 TO OBTAIN  LOWEST READING, TURN R-1 TO NEXT POSITION,  ADJUST R-0 TO OBTAIN LOWEST READING, TURN R-N  TO OTHER POSITION, ADJUST R-0 TO OBTAIN LOWEST  READING, STOP MACHINE, REMOVE KNOWN WEIGHT, PLACE  WEIGHT ON RIGHT END, START MACHINE, TURN LEFT/  RIGHT SWITCH TO RIGHT, ADJUST R-0 TO OBTAIN  LOWEST READING, TURN R-1 TO NEXT POSITION  ADJUST R-0 TO OBTAIN LOWEST READING, TURN R-N  TO OTHER POSITION, ADJUST R-0 TO OBTAIN LOWEST  READING, ADJUST R-100 FOR REQUIRED READING, STOP  MACHINE, POSITION UNIT, PLACE KNOWN WEIGHT ON  LEFT END, START MACHINE, TURN LEFT/RIGHT SWITCH  TO LEFT, ADJUST L-100 FOR REQUIRED READING,  ADJUST ANGLE REVERSING SWITCHES, READ ANGLE,  ADJUST L-1, TURN LEFT/RIGHT SWITCH TO RIGHT AND  READ ANGLE, ADJUST R-1, STOP MACHINE, POSITION  UNIT, REMOVE 4 EACH WAX AND WEIGHTS  ENDS-WITH CALIBRATION COMPLETE  CONDITIONS-APPLICABLE TO BEAR MODEL 40082  BALANCER-DOES NOT INCLUDE SET UP TO CALIBRATE-  USE 710 SIT8S01</p>
NAA	710	MAA	CPN8A01	SIT8C04	1830	<p>BALANCER(GISHOLT MODEL 34V9107), CALIBRATE  STARTS-WITH GET CHART  INCLUDES-ALL MOTIONS NECESSARY TO GET AND  ASIDE CHART, CHECK CHART FOR RIGHT APPLICATION,  CHECK CHART FOR DIAL SETTING(7 EACH), SET 7  DIALS, CHECK CHART FOR SWITCH SETTINGS(6 EACH).  SET 6 SWITCHES  ENDS-WITH SWITCHES SET  CONDITION-APPLICABLE TO GISHOLT MODEL 34V9107  BALANCER</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	CPN8A03	SITBC05	3270	<p>BALANCER(AUTOMATIC CYCLE GISHOLT MODEL S), CALIBRATE</p> <p>STARTS-WITH PLACE WEIGHT ON BALANCER</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO PLACE WEIGHT ON RIGHT END,TURN CYCLE TIMER TO AUTOMATIC, PUSH CYCLE START BUTTON,TURN CYCLE TIMER TO OFF,ADJUST LEFT SEPARATION DIAL NO.4 FOR 0 ON AMOUNT METER,TURN CYCLE TIMER TO AUTOMATIC, TURN CYCLE TIMER TO OFF,REMOVE WEIGHT FROM RIGHT END,PLACE WEIGHT ON LEFT END AT 90 DEGREES,PUSH CYCLE START BUTTON,ADJUST RIGHT SEPARATION DIAL NO.5 FOR 0 ON AMOUNT METER, TURN CYCLE TIMER TO AUTOMATIC,ALLOW TO CYCLE AND STOP,PUSH CYCLE START BUTTON,TURN CYCLE TIMER TO OFF,ADJUST LEFT CALIBRATION DIAL FOR AMOUNT AND ANGLE,CHECK FILTER DIAL SETTING, ADJUST PHASE SHIFTER FOR ANGLE,REMOVE WEIGHT, PLACE WEIGHT ON RIGHT END AT 90 DEGREES,PUSH CYCLE START BUTTON,TURN CYCLE TIMER TO AUTO- MATIC,TURN CYCLE TIMER TO OFF,ADJUST RIGHT CALIBRATION DIAL FOR AMOUNT AND ANGLE,CHECK FILTER DIAL SETTING,ADJUST PHASE SHIFTER FOR ANGLE,REMOVE WEIGHT,TURN CYCLE TIMER TO AUTO- MATIC</p> <p>ENDS-WITH CALIBRATION COMPLETE</p> <p>CONDITION-APPLICABLE TO GISHOLT MODEL S</p> <p>BALANCER-DOES NOT INCLUDE SET UP TO CALIBRATE- USE 710 SITBS01</p>
NAA	710	MAA	CPNB01	SITBS01	14420	<p>BALANCER,SET UP,GISHOLT MODELS 34V9107,S,UJP AND BEAR 400B2</p> <p>STARTS-WITH REACH TO BELT FOR CHANGE-OVER</p> <p>INCLUDES-ALL THE MOTIONS REQUIRED TO MOVE BELT ASIDE,REMOVE SCREW,REMOVE PULLEY WHEEL,INSTALL PULLEY WHEEL,INSTALL SCREW,REPLACE BELT ON PULLEY,GET AND ASIDE TOOL,LOOSEN CARRIAGE SCREWS(4 EACH),POSITION CARRIAGES(2 EACH); REMOVE BEARING HOLDER SCREW,REMOVE BEARING HOLDER,REMOVE SCREWS HOLDING BEARING,REMOVE BEARING,FIND NEW HOLDER,INSTALL NEW HOLDER, INSTALL SCREWS,FIND NEW BEARING,INSTALL NEW BEARING,INSTALL SCREWS,FINAL ALIGN CARRIAGES, GET AND ASIDE TOOL,TIGHTEN CARRIAGE SCREWS (4 EACH),GREASE BEARINGS,STAND ON AND OFF, GET FITTINGS FROM CABINET,SEPARATE FITTING, ASSEMBLE FITTING,ASIDE FITTING,EXAMINE WHEEL FOR MARK,MARK WHEEL,INSTALL FITTING,INSTALL SPACER AND NUT,REMOVE SPACER AND NUT,REMOVE FITTING</p> <p>ENDS-WITH BALANCER SET UP</p> <p>CONDITION-APPLICABLE TO GISHOLT MODELS 34V9107,S,UJP,AND BEAR 400B2-DOES NOT INCLUDE WALKING TO GET FITTING FROM STORAGE AND RETURN</p>
NAA	710	MAA	AIRBROA	SITBT01	10700	<p>BATTERIES,TEST AND REPLACE</p> <p>STARTS-WITH GET TESTER</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO SET UP AND ASIDE TESTER,READ TEST DATA,TEST BATTERIES, REMOVE AND INSTALL BATTERIES</p> <p>ENDS-WITH BATTERIES INSTALLED</p> <p>CONDITION-ELEMENT REPRESENTS TESTING AN AVERAGE OF THREE BATTERIES AT A TIME</p>
NAA	710	MAA	SIRCA06	SITCA01	1364	<p>CLEARANCE(DIAL INDICATOR),ADJUST</p> <p>STARTS-WITH REACH TO GET INDICATOR</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP INDICATOR,POSITION ON UNIT,SECURE WITH TWO SCREWS,ZERO INDICATOR,POSITION UNIT,NOTE READ- ING,REMOVE INDICATOR FROM UNIT,LOOSEN SCREW AND ADJUST CLEARANCE,TIGHTEN SCREW,RECHECK, ASIDE DIAL INDICATOR</p> <p>ENDS-WITH ASIDE DIAL INDICATOR</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	SIRCT01	SITCT01	1636	COMPONENT, TEST IN VACUUM CHAMBER STARTS-WITH REACH TO CHAMBER DOOR INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN VACUUM CHAMBER DOOR, GET AND PLACE COMPONENT INSIDE, OPEN VALVE, READ VACUUM, OBSERVE COMPONENT, OPEN AND CLOSE VALVE, OPEN DOOR, REMOVE COMPONENT AND ASIDE, CLOSE CHAMBER DOOR ENDS-WITH CLOSE VACUUM CHAMBER DOOR CONDITIONS-DOES NOT INCLUDE TIME TO PUMP DOWN VACUUM
NAA	710	MAA	SIRCA05	SITGA01	4180	GEAR MESH, ADJUST STARTS-WITH REACH TO GET TWEEZERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET TWEEZERS, GRASP GEAR MESHING GEAR, FEEL END-PLAY AND HOLD GEAR, LOOSEN SET SCREWS(TWO), ADJUST ECCENTRIC OR BUSHING, TIGHTEN SET SCREWS, ASIDE TOOL(S) ENDS-WITH ASIDE TOOLS
NAA	710	MAA	JCAMAOA	SITMA01	29620	METER, ADJUST STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE THREE SCREWS OR NUTS, ASIDE TOOL, REMOVE METER FROM HOUSING, REMOVE SCREWS AND GLASS FROM FACE, POSITIONS METER, EXAMINE POINTER AND ADJUST BALANCE WEIGHTS FOR ZERO INDICATION, REPLACE GLASS, POSITION METER IN HOUSING, REPLACE THREE SCREWS, ASIDE TOOL AND UNIT ENDS-WITH UNIT ASIDE
NAA	710	MAA	SIRCA04	SITPA01	3700	PIVOTS(JEWEL), ADJUST STARTS-WITH REACH TO GET TWEEZERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET TWEEZERS, GRASP OBJECT WITH TWEEZERS, CHECK END PLAY, ASIDE TWEEZERS, GET TOOL AND LOOSEN SET SCREW(TWO), ADJUST PIVOT JEWEL, TIGHTEN SET SCREW, ASIDE TOOL ENDS-WITH ASIDE TOOL
FFE	710	MAA	DIGGME5	SITPT01	1202	PLAY, TEST WITH SHEFIELD END PLAY TESTER STARTS-WITH REACH TO PART INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND INSTALL PART BETWEEN TWO CENTERS IN TESTER, TURN ON TESTER, GAUGE PART, TURN OFF TESTER, REMOVE PART ENDS-WITH REMOVE PART AND ASIDE CONDITIONS-INCLUDE FOUR-THREE SECOND TEST TIMES
NAA	710	MAA	AIARA01	SITRA01	24780	ROTOR, BALANCE(STATIC) STARTS-WITH REACH TO GET ROTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET ROTOR, GET BOX OF BALANCE WEIGHTS, GET SCREW- DRIVER, REMOVE PIVOT BEARING COVER AND POSITION ROTOR ON FIXTURE, VIBRATE FIXTURE BY HAMMER ACTION, NOTE POINT OF IMBALANCE, ADJUST BALANCE WEIGHTS, REMOVE COUNTER WEIGHTS, SELECT AND IN- STALL CORRECT COUNTER WEIGHTS, DISENGAGE FIX- TURE PIVOTS, REMOVE BEARING FROM PIVOTS, INSTALL BEARINGS BACK IN FIXTURE, PUSH FIXTURE ASIDE AND COVER PIVOT BEARINGS, ASIDE ROTOR, WEIGHTS, TOOLS ENDS-WITH PIVOT BEARINGS COVERED CONDITIONS-DOES NOT INCLUDE FILING OR SAWING BALANCE WEIGHTS OR BALANCING ROTOR IN GIMBAL- COUNTERWEIGHTS SECURED WITH TWO SCREWS-WALK FIVE PAGES TO BALANCE FIXTURE AND RETURN



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	JCARTTX	SITRTXX	VARIABLE	<p>RESISTANCE, TEST</p> <p>STARTS-WITH REACH TO OPEN CABINET, GET DECADE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET DECADE, PICK UP LEADS, POSITION DECADE AND METER AND LOOSEN BINDING POST, ATTACH LEADS TO BINDING POST AND TIGHTEN, POSITION LEADS TO TEST INSTRUMENT, TURN TEST INSTRUMENT SELECTOR TO OHMS, VERIFY DECADE AT ZERO, TURN SELECTOR TO PROPER RANGE, ADJUST ZERO CONTROL, THROW DECADE SWITCH, RETURN DECADE TO ZERO, REMOVE LEADS FROM TEST INSTRUMENT, LOOSEN BINDING POST, REMOVE TEST LEADS, TIGHTEN BINDING POST, RETURN DECADE TO STORAGE, ASIDE TEST LEADS</p> <p>ENDS-WITH ASIDE TEST LEADS</p> <p>CONDITIONS-DOES NOT INCLUDE WALKING TO GET AND RETURN EQUIPMENT-READ TO THREE PERCENT ACCURACY</p> <p>3930 CASE 01 FIRST OR SINGLE RANGE</p> <p>990 02 EACH ADDITIONAL RANGE</p>
FFE	710	MAA	OIGGMG2	SITSG01	186	<p>SPACING(SHAFT END), GAUGE WITH GO, NO-GO GAUGE</p> <p>STARTS-WITH A REACH TO SHAFT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE SHAFT AND WASHER ASSEMBLY TO WORK, GET GO NO-GO GAUGE, POSITION GAUGE ON SHAFT(TWO POINTS), INSPECT GAUGE FOR GO NO-GO, ASIDE GAUGE AND ASSEMBLY AND SHAFT</p> <p>ENDS-WITH ASIDE ASSEMBLY AND SHAFT</p>
FFE	710	MAA	OIGGMG3	SITSG02	350	<p>SPACING(GAP), GAUGE WITH GO NO-GO GAUGE</p> <p>STARTS-WITH REACH TO GET ROTOR</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE ROTOR TO WORK, GET AND POSITION GAUGE IN SLOT(FOUR TIMES), INSPECT, ASIDE GAUGE, ASIDE ROTOR ASSEMBLY</p> <p>ENDS-WITH ASIDE ASSEMBLY</p> <p>CONDITIONS-ASSEMBLY WEIGHS 2-1/2 TO 10 POUNDS</p>
FFE	710	MAA	OIGGMM1	SITSG03	1087	<p>SPACE(END), GAUGE WITH DEPTH MICROMETER, ADJUST</p> <p>STARTS-WITH REACH TO MICROMETER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE MICROMETER AND PART TO WORK, MOVE GAUGE AND PART TO EYE LEVEL, POSITION GAUGE TO PART, USE AND READ MICROMETER, TURN PART OVER AND POSITION UNDER PRESS, GET AND MOVE PRESS HANDLE UP AND DOWN, INSPECT PART VISUALLY, ASIDE PART</p> <p>ENDS-WITH ASIDE PART</p> <p>CONDITIONS-SPECIAL DEPTH MICROMETER WITH PRESS IN FIXTURE IS USED-CHECK 3 TIMES OR 3 POINTS PER PART</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	710	MAA	CPNB101	SITUC01	6130	<p>UNIT,CHECK BALANCE,GISHOLT MODELS 34V9107,S, UJP AND BEAR 40082 STARTS-WITH INSTALL UNIT INCLUDES-ALL MOTIONS NECESSARY TO INSTALL THE UNIT,INSTALL BELT,ASIDE BELT,REMOVE UNIT,SET SCALE SWITCH,SET ANGLE AMOUNT TO AMOUNT,START MACHINE,SET LEFT/RIGHT SWITCH TO RIGHT AND READ,SET LEFT/RIGHT SWITCH TO LEFT AND READ, CHANGE SCALE SWITCH,SET LEFT/RIGHT SWITCH TO RIGHT AND READ,SET LEFT/RIGHT SWITCH TO LEFT AND READ,STOP MACHINE,SET ANGLE AMOUNT SWITCH TO ANGLE,POSITION LIGHT,START MACHINE,LEFT/ RIGHT SWITCH TO RIGHT AND READ ANGLE,LEFT/ RIGHT SWITCH TO LEFT AND READ ANGLE,STOP MACHINE,INSTALL WAX,LEFT AND RIGHT ENDS:REMOVE WAX,LEFT AND RIGHT ENDS:SET ANGLE AMOUNT TO AMOUNT,START MACHINE,SET LEFT/RIGHT SWITCH TO RIGHT AND READ,SET LEFT/RIGHT SWITCH TO LEFT AND READ,SET ANGLE AMOUNT SWITCH TO ANGLE, LEFT/RIGHT SWITCH TO RIGHT AND READ ANGLE, LEFT/RIGHT SWITCH TO LEFT AND READ ANGLE,STOP MACHINE,ASIDE LIGHT,ANGLE AMOUNT SWITCH TO OFF,GREASE BEARINGS,CLEAN SHAFT ENDS-WITH BALANCE CHECKED CONDITION-APPLICABLE TO GISHOLT MODELS 34V9107,S,UJP AND BEAR 40082-DOES NOT INCLUDE WALK TO GET UNIT AND RETURN-UNIT NOT OVER 25 POUNDS</p>
NAA	710	MAA	CPNB102	SITUC02	4160	<p>UNIT,CHECK BALANCE,MICRO-NAMIC MODEL EV-2 STARTS-WITH INSTALL UNIT INCLUDES-ALL MOTIONS NECESSARY TO INSTALL UNIT,TIGHTEN THUMBSCREWS,LOOSEN THUMBSCREWS, REMOVE UNIT,TURN MACHINE ON AND OFF,TURN RANGE SWITCH TO 1,DEPRESS TACHOMETER CALIBRATION SWITCH,ADJUST TACHOMETER CALIBRATION KNOB, START ROTOR,ADJUST SPEED FILTER,LEFT/RIGHT SWITCH TO RIGHT,SWITCH TO EV AND READ,SWITCH TO ER AND ADJUST,SWITCH TO EV AND ER,ADJUST RIGHT ANGULAR LOCATING DIAL FOR NULL,ADJUST SENSITIVITY CONTROL,LEFT/RIGHT SWITCH TO LEFT, SWITCH TO EV AND READ,SWITCH TO ER AND ADJUST, SWITCH TO EV AND ER,ADJUST LEFT ANGULAR LOCATING DIAL FOR NULL,ADJUST SENSITIVITY CONTROL,RANGE SWITCH TO 2,STOP ROTOR,AND CLEAN SHAFT ENDS-WITH BALANCE CHECKED CONDITION-APPLICABLE TO MICRO-NAMIC MODEL EV-2 DOES NOT INCLUDE WALK TO GET AND RETURN UNIT</p>
FFE	710	MUA	KPMECCA	KITGC01	14725	<p>GAUGE(PRESSURE),CALIBRATE AND ADJUST STARTS-WITH REACH TO TOOLS INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE AND REPLACE BEZEL,LENS,POINTER AND DIAL,OPEN AND CLOSE PRESSURE REGULATOR VALVE,PUMP HYDRAULIC HAND PUMP,ADJUST SPAN LOCK SLIDE ENDS-WITH TOOLS ASIDE AFTER BEZEL REPLACED CONDITIONS-GAUGE WEIGHS UP TO 40 POUNDS</p>
NAA	710	MAA	AIATNXX	SNFTIXX VARIABLE	8570 2240	<p>TAPE(TEFLON),INSTALL TO INSTRUMENT SEAM STARTS-WITH REACH TO GET TAPE(ON ROLL) INCLUDES-ALL THE MOTIONS NECESSARY TO GET ROLL OF TAPE,UNROLL ONE FOOT OF TAPE,PRESS END TO SURFACE,PULL TAUT,GUIDE TAPE WITH LEFT HAND ON TO SEAM,REPOSITION INSTRUMENT(TURN 360 DE- GREES AS TAPE IS APPLIED),CUT TAPE,SMOOTH DOWN,TURN INSTRUMENT AND SMOOTH TAPE,INSPECT TAPE ALIGNMENT,ASIDE TAPE ROLL ENDS-WITH INSPECT ALIGNMENT OF TAPE CONDITIONS-ADHESIVE BACKED TEFLON TAPE-APPLY TO SYMMETRICAL SEAM-TAPE TO 1/2 INCH WIDE CASE 01 APPLY FIRST OR SINGLE FOOT 02 APPLY EACH ADDITIONAL FOOT</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	710	MAA	DIGCG04	SOHCR01	351	COVERS(GYRO-OUTER), REMOVE STARTS-WITH REACH TO GET GYRO INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION GYRO AT WORK AREA, GRASP COVER AND SLIDE OFF GYRO, ASIDE, GET AND TURN GYRO 180 DEGREES, GRASP SECOND COVER AND SLIDE OFF, ASIDE COVER(SECOND), ASIDE GYRO ENDS-WITH ASIDE GYRO CONDITIONS GYRO WEIGHS 10 POUNDS-40 TO 50 POUNDS RESISTANCE TO SLIDE COVER OFF
NAA	72X	MAA	SLRCC48	SCLCC01	1734	CONTACTS, CLEAN WITH BRUSH STARTS-WITH TURN POWER OFF INCLUDES-ALL THE MOTIONS NECESSARY TO TURN POWER OFF, UNPLUG POWER CORD, OBTAIN CLEANER, OBTAIN BRUSH, REMOVE BOTTLE CAP, CLEAN CONTACTS, ASIDE BRUSH, ASIDE CLEANER, PLUG IN POWER CORD, TURN ON POWER, REPLACE BOTTLE CAP ENDS-WITH POWER ON
NAA	72X	MAA	SLRCC4A	SCLSCXX	VARIABLE	SWITCH(ROTARY), CLEAN WITH SPRAY STARTS-WITH TURN POWER OFF INCLUDES-ALL THE MOTIONS NECESSARY TO TURN POWER OFF, UNPLUG POWER CORD, OBTAIN CLEANER, OPEN CLEANER COVER, SPRAY CLEANER ON SWITCH OR CONTROL, CLOSE CLEANER COVER, ASIDE CLEANER, ROTATE CONTROL OR SWITCH, PLUG IN POWER CORD, TURN ON POWER ENDS-WITH TURN ON POWER CASE 01 CLEAN FIRST OR SINGLE ROTARY SWITCH OR CONTROL CASE 02 CLEAN EACH ADDITIONAL ROTARY SWITCH
					1834	
					780	
FFE	72X	MAA	GTLSKA3	SCLSF01	456	SOLDERING IRON, FILE TIP SMOOTH STARTS-WITH REACH TO GET FILE INCLUDES-ALL THE MOTIONS NECESSARY TO GET FILE AND POSITION ON TIP, FILE EACH SIDE OF TIP, ASIDE FILE ENDS-WITH ASIDE FILE
NAA	72X	MAA	SLRCWXX	SCLSRXX	VARIABLE	SOLDER, REMOVE STARTS-WITH REACH TO SUCKER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION MECHANICAL SUCKER, COCK VALVE, GET AND POSITION SOLDERING IRON TO PIN, HEAT PIN OR TERMINAL, ACTUATE SUCKER VALVE, ASIDE SUCKER AND IRON ENDS-WITH ASIDE SUCKER AND IRON CASE 01 REMOVE SOLDER FROM FIRST OR SINGLE PIN CASE 02 REMOVE SOLDER FROM EACH ADDITIONAL PIN
					683	
					500	
FFE	72X	MUA	GCLCEA4	SCLSR03	452	SOLDER, REMOVE FROM COMPONENT-PER POINT STARTS-WITH REACH TO SOLDERING IRON INCLUDES-MOTIONS TO OBTAIN SOLDER IRON AND BRAID, DIP BRAID IN ROSIN, PLACE BOTH TO CONNECTION, MELT AND PICK UP SOLDER ENDS-WITH BRAID ASIDE CONDITIONS-PLACE AND REMOVE BRAID AND IRON FROM POINT FOUR TIMES TO CLEAN POINT INCLUDED



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	72X	MUA	GCLCEAX	SCLTCXX	VARIABLE	<p>TERMINAL,CLEAN FIRST OR SINGLE PIN/POST/EYELET WITH SOLDERING IRON AND VACUUM(SOLDER SUCKER) STARTS-WITH GET VACUUM CLEANER AND SOLDERING IRON(CASE 01)OR PLACING IRON CLEANER AT TERMINAL(CASE 02)</p> <p>INCLUDES-MOTIONS NECESSARY TO GET AND ASIDE TOOL,MELT AND VACUUM SOLDER OR TO CLEAN EACH ADDITIONAL TERMINAL</p> <p>ENDS-WITH TOOL ASIDE(CASE 01) OR ACTUATING BUTTON ON VACUUM CLEANER(CASE 02)</p> <p>CONDITIONS-EYELET TERMINAL ON PRINTED CIRCUIT BOARD,37 TO 50 WATT IRON-NO HEATING TIME FOR IRON INCLUDED</p> <p>CASE 01 CLEAN FIRST OR SINGLE TERMINAL</p> <p>02 CLEAN EACH ADDITIONAL TERMINAL</p>
					222	
					121	
FFE	72X	MUA	GCLCEA1	SCLTC03	994	<p>TERMINAL(ELECTRICAL/EYELET),CLEAN</p> <p>STARTS-WITH REACH TO GET TOOLS</p> <p>INCLUDES-MOTIONS NECESSARY TO CLEAN TERMINAL OR EYELET WITH 100 WATT IRON AND PROBE</p> <p>ENDS-WITH ASIDE TOOLS</p>
FFH	72X	MAA	KCPTExX	MCPCLXX	VARIABLE	<p>CLAMP(ELECTRON TUBE),LOOSEN AND TIGHTEN</p> <p>STARTS-WITH REACH TO COMPONENT OR TOOL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO INSTALL OR TIGHTEN OR LOOSEN OR REMOVE VARIOUS TYPES OF ELECTRON TUBE CLAMPS</p> <p>ENDS-WITH INDICATED ACTION COMPLETED</p>
					131	<p>CASE 01 INSTALL SQUEEZE TYPE CLAMP-ENDS WITH CLAMP ASIDE</p>
					80	<p>02 REMOVE SQUEEZE TYPE CLAMP-ENDS WITH CLAMP ASIDE</p>
					124	<p>03 TIGHTEN LATCH TYPE CLAMP-ENDS WITH CLAMP TIGHTENED</p>
					38	<p>04 LOOSEN LATCH TYPE CLAMP-ENDS WITH CLAMP LOOSENED</p>
					377	<p>05 TIGHTEN SPRING LOADED SCREW TYPE CLAMP-ENDS WITH CLAMP TIGHTENED</p>
					389	<p>06 LOOSEN SPRING LOADED SCREW TYPE CLAMP-ENDS WITH CLAMP LOOSENED</p>
					440	<p>07 TIGHTEN BOLT/SCREW TYPE CLAMP-ENDS WITH TOOL ASIDE-RUN DOWN FIVE THREADS</p>
					452	<p>08 LOOSEN BOLT/SCREW TYPE CLAMP-ENDS WITH TOOL ASIDE-RUN OUT FIVE THREADS</p>
FFH	72X	MAA	KCPCBXX	SCPCIXX	VARIABLE	<p>CLAMP(CABLE),INSTALL WITH LOCKNUT,SCREW/BOLT AND WASHER</p> <p>STARTS-WITH REACH TO GET CLAMP</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND INSTALL CLAMP ON CABLE AND INSTALL FASTENER AND SECURE TO CHASSIS</p> <p>ENDS-WITH HAND ON TOOL IN ASIDE POSITION</p> <p>CONDITIONS-CABLES 1/8 INCH TO 1 1/4 INCH DIA-METER METAL OR PLASTIC CLAMP-SCREW DRIVER AND BACK UP WRENCH REQUIRED</p>
					1301	<p>CASE 01 NORMAL ACCESS-C SHAPE CLAMP-SCREW DRIVER AND BACK UP WRENCH</p>
					1421	<p>02 DIFFICULT OR OBSTRUCTED ACCESS-C SHAPE CLAMP</p>
					1372	<p>03 NYLON OR OTHER RING CABLE CLAMP</p>
					1334	<p>04 RING CLAMP,CABLE CLAMP,ADJUSTABLE LUG OR MOUNTING STRAP-1/8 INCH TO 1 1/4 INCH DIAMETER-NORMAL ACCESS</p>
					1438	<p>05 RING CLAMP,CABLE CLAMP,ADJUSTABLE LUG OR MOUNTING STRAP-1/8 INCH TO 1 1/4 INCH DIAMETER-DIFFICULT OR OBSTRUCTED ACCESS</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KCPCBXX	SCPCRXX	VARIABLE	CLAMP(CABLE), REPLACE WITH LOCKNUT, BOLT/SCREW AND WASHER STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE A CLAMP FROM THE CABLE AND RE-INSTALL CLAMP ENDS-WITH TOOLS ASIDE 2369 CASE 01 C SHAPE CABLE CLAMP-1/8 TO 1 1/4 INCH DIAMETER, METAL OR PLASTIC-NORMAL ACCESS 2489 02 C SHAPE CABLE CLAMP-1/8 TO 1 1/4 INCH DIAMETER-METAL OR PLASTIC-DIFFICULT OR OBSTRUCTED ACCESS 2447 03 RING SHAPE CABLE CLAMP-1/8 TO 1 1/4 INCH CABLE DIAMETER-CABLE CLAMP, ADJUSTABLE LUG OR MOUNTING STRAP, METAL OR PLASTIC-NORMAL ACCESS 2551 04 RING SHAPE CABLE CLAMP-1/8 TO 1 1/4 INCH DIAMETER CABLE-CABLE CLAMP, ADJUSTABLE LUG OR MOUNTING STRAP-METAL OR PLASTIC-DIFFICULT OR OBSTRUCTED ACCESS
FFH	72X	MAA	KERHRD	SCPCRO5	6400	CLAMPS, REPLACE STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET ALLEN WRENCH, REMOVE SCREWS, REMOVE CLAMPS, UNPACK NEW CLAMPS (TEAR BAG OPEN), UNWRAP CLAMPS, MULTI-ALIGN CLAMP, TO SUB-ASSEMBLY, INSTALL WASHERS ON SCREWS AND INSTALL CLAMP (5 TO 10 TURNS), REPOSITION SUB-ASSEMBLY/END ITEM (TO 40 POUNDS) TWO TIMES ENDS-WITH ASIDE TOOL CONDITIONS-CLAMP WEIGHS TO 2.5 POUNDS, MOTOR, SYNCHRO GENERATOR OR RESOLVER CLAMP WITH ONE SCREW PER CLAMP (HEX HEAD MACHINE SCREWS 1/4 INCH DIAMETER)-INSTALL FOUR CLAMPS
FFH	72X	MAA	KCPCBXX	SCPCUXX	VARIABLE	CLAMP(CABLE), UNBOLT LOCKNUT, BOLT/SCREW AND WASHER STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL, REMOVE NUT, WASHER, GET AND ASIDE CLAMP ENDS-WITH CLAMP ASIDE 1068 CASE 01 C SHAPE CLAMP-UNSCREW NUT 5-10 THREADS 1113 02 PLASTIC RING CLAMP-UNSCREW NUT 5-10 THREADS
AF	72X	MAB	MDL-1L	MDAAR01	114	ASSEMBLY (TERMINAL), REMOVE FROM CONNECTOR STARTS-WITH HAND IN POSITION NEAR ASSEMBLY INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP NOSE ASSEMBLY, JOGGLE AND DISENGAGE NOSE ASSEMBLY FROM CONNECTOR ENDS-WITH PART ASIDE
AE	72X	MAW	STEEAXX	MDACDXX	VARIABLE	CONNECTOR, DISCONNECT AND CONNECT STARTS-WITH HAND ON CONNECTOR INCLUDES-ALL MOTIONS NECESSARY TO MOVE CONNECTOR TO RECEPTACLE, INSERT, SECURE (IF NECESSARY), UNSECURE, AND REMOVE CONNECTOR ENDS-WITH CONNECTOR IN HAND 54 CASE 01 TWIST-LOCK CONNECTOR (NOMINAL PRESSURE) 44 02 TELEPHONE TYPE PLUG 188 03 SCREW LOCK CONNECTOR (THUMB SCREW), WRIST TURNS USED 175 04 PLUG WITH THREADED RETAINING SLEEVE FOUR THREADS, WRIST TURNS USED 40 05 TEST LEAD TERMINATED BY STRAIGHT PRONG 99 06 TEST LEAD TERMINATED BY SPADE LUG (INCLUDES LOOSEN BINDING POST THUMB SCREW BEFORE INSTALLING LUGS)



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FFD	72X	MAA	KERCCA1	SDACA01	6046	CABLE(COAXIAL),ASSEMBLE AND INSTALL TO PANEL MOUNTED TYPE RECEPTACLE STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE,GET,CUT AND INSTALL INSULATION (SPAGHETTI)ON CABLE,PLACE END BELL ON CABLE, SOLDER TO SHIELD,PLACE RECEPTACLE TO END BELL, CUT WIRE LEAD TO LENGTH,PLACE PIN TERMINAL ON WIRE END AND SOLDER,INSPECT FINAL ASSEMBLY ENDS-WITH INSPECT ASSEMBLY CONDITIONS-COAXIAL CABLE WITH DIAMETER LESS THAN OR EQUAL TO 1/2 INCH AND GREATER THAN 1/4 INCH-DOES NOT INCLUDE INSTALLATION TO A SET/ UNIT
FFD	72X	MAA	KERCCAD	SDACC01	485	CABLE(COAXIAL),CONNECT ONE END TO THREADED FITTING STARTS-WITH REACH TO CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET, INSPECT CABLE,PLACE CABLE END ON FITTING, TURN DOWN NUT,TIGHTEN NUT ENDS-WITH FINAL TIGHTEN OF NUT ON FITTING CONDITIONS-APPLIES TO THREADED COAXIAL CABLE FITTING UP TO ONE INCH DIAMETER-CABLE IS IN UNIT
FFH	72X	MAA	KERHMDA	SDACDXX	VARIABLE	CLIP OR SOCKET(MOUNTING-ELECTRONIC COMPONENT), DETACH(RIVETS) STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO READ THE T/O,LOCATE POINT ON CHASSIS,SET UP PORTABLE ELECTRIC DRILL,INSERT DRILL BIT IN DRILL, REMOVE RIVET BY DRILLING,DISASSEMBLE DRILL, ASIDE DRILL,ASIDE CLIP,GET,LIFT AND ASIDE END ITEM/SUB-ASSEMBLY,ASIDE RIVET(S) ENDS-WITH ASIDE RIVET AND CLIP CASE 01 CLIP OR SCKET SECURED WITH ONE RIVET 02 CLIP OR SOCKET SECURED WITH TWO RIVETS
					2080 2564	
FFD	72X	MAA	KERCCDC	SDACD03	399	CABLE(COAXIAL),DISCONNECT/REMOVE FROM THREADED CONNECTOR/RECEPTACLE IN SET/UNIT STARTS-WITH REACH TO FITTING INCLUDES-ALL THE MOTIONS NECESSARY TO GET FITTING,LOOSEN KNURLED NUT,UNSCREW,REMOVE COAXIAL CABLE FROM FITTING ENDS-WITH ASIDE CABLE CONDITIONS-APPLIES TO THREADED COAXIAL CABLE FITTING/CONNECTOR UP TO ONE INCH DIAMETER







# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLARRXX	SDACRXX	VARIABLE	CAPACITOR/RESISTOR, REPLACE STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION THE IRON TO FIRST LEAD, UNSOLDER, POSITION IRON AND UNSOLDER SECOND LEAD, REMOVE COMPONENT, PICK UP NEW COMPONENT AND VERIFY VALUE, POSITION COMPONENT, CUT LEADS TO FIT, SOLDER LEADS, INSTALL AND REMOVE HEAT SINKS, FORM STRESS RELIEF ENDS-WITH ASIDE PLIERS AND WIRE CASE 01 EASY ACCESS 02 MODERATE ACCESS
					4040 7930	
FFH	72X	MAA	KERETRA	SDACR03	4695	CAPACITOR(BUTTON TYPE), REPLACE(SOLDERED) STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET SOLDERING IRON, UNSOLDER LEADS, REMOVE CAPACITOR FROM STUD, GET AN ENVELOPE, REMOVE AND UNWRAP NEW CAPACITOR, GET SOLDERING IRON AND SOLDER NEW CAPACITOR TO CHASSIS, REPOSITION END ITEM/SUB ASSEMBLY(10 40 POUNDS)FOUR TIMES ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-THREE TAB BUTTON CAPACITOR-REMOVAL/ INSTALLATION OF WIRE NOT INCLUDED-TIME TO TIN IRON INCLUDED
NAA	72X	MAA	SLRCR04	SDACR04	6851	COMPONENT, REPLACE STARTS-WITH REACH TO OBTAIN TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND LOOSEN TWO SET SCREWS ON KNOB, REMOVE KNOB, GET SOLDERING IRON AND UNSOLDER LEADS AND ASIDE IRON, GET TOOL, REMOVE AND ASIDE NUT, WASH- ER AND COMPONENT, ASIDE TOOL, GET AND POSITION NEW COMPONENT FOR INSTALLATION, INSTALL NUT AND WASHER, TIGHTEN, ASIDE TOOL, STRIP THREE WIRES, TIN WIRES AND SOLDER IN PLACE, GET KNOB AND TOOL, POSITION KNOB ON SHAFT AND TIGHTEN SET SCREWS, ASIDE TOOL ENDS-WITH ASIDE TOOL CONDITIONS-APPLIES TO VARIABLE RESISTOR OR CAPACITOR
FFD	72X	MAA	KERCCRA	SDACR05	7648	CONNECTOR END, REPLACE ON COAXIAL CABLE STARTS-WITH REACH TO GET WRENCHES INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE CONNECTOR END FROM COAXIAL CABLE, CUT OPEN NEW PART BAG, REMOVE PART(CONNECTOR), UNSCREW COLLAR AND ALLOW PIN, WASHER AND PIN INSULATOR TO FALL ON WORKBENCH, INSTALL NEW CONNECTOR ON CABLE AFTER CUTTING ENDS-WITH ASIDE WRENCHES CONDITIONS-COAXIAL CABLE WITH DIAMETER LESS THAN OR EQUAL TO 1/2 INCH AND GREATER THAN 1/4 INCH
FFD	72X	MAA	KERCCDF	SDACR06	853	CONNECTOR END(THREADED), REMOVE FROM COAXIAL CABLE STARTS-WITH REACH TO GET TWO WRENCHES INCLUDES-ALL THE MOTIONS NECESSARY TO DIS- ASSEMBLE CONNECTOR END AND REMOVE FROM CABLE ENDS-WITH ASIDE CABLE CONDITIONS-COAXIAL CABLE WITH DIAMETER LESS THAN OR EQUAL TO 1/2 INCH AND GREATER THAN 1/4 INCH-TWO OPEN END WRENCHES REQUIRED
FFH	72X	MAA	KERACRB	SDACR07	714	CAP(CONNECTOR-THREADED), REMOVE AND INSTALL STARTS-WITH REACH TO GET CONNECTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET CONNECTOR, PLIERS, LOOSEN AND REMOVE CAP, ASIDE CAP, GET CAP AND PLACE ON WIRE, SLIDE CAP TO CONNECTOR, POSITION, ENGAGE AND TIGHTEN ENDS-WITH ASIDE PLIERS



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MUA	KERERXX	SOACSXX	VARIABLE	CIRCUIT(ELECTRON TUBE),SERVICE(MECHANICAL) STARTS-WITH REACH TO TUBE/SHIELD INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE TUBE SHIELD AND TUBE,REPLACE SOCKET/RECEPTACLE AND REMOVE/INSTALL WIRE TO POST TERMINAL, CLEAN,PLACE AXIAL LEADS TO PIN/POST TERMINAL, CLEAN SPOT WITH WET BRUSH AND AIR ENDS-WITH SHIELD SNAPPED ON-HAND ON SHIELD CONDITIONS-STANDARD OR MINIATURE TUBE CIRCUIT WITH AXIAL LEAD PARTS MOUNTED ON CIRCUIT BOARD-REPLACE OLD TUBE 90 PERCENT-REPLACE TUBE SOCKET 10 PERCENT-REPLACE WIRE TO POST TERMINAL 1.65 TIMES PER UNIT(NORMAL ACCESS)-REPLACE AXIAL LEADS TO PIN/POST TERMINALS,11 PERCENT PER PART(BOTH LEADS)-SOLDERING TIME INCLUDED- APPLIES TO AXIAL LEAD PARTS SUCH AS RESISTORS OR CAPACITORS-NO TROUBLE SHOOTING INCLUDED CASE 01 TUBE CIRCUIT WITH THREE AXIAL LEAD PARTS 14270 CASE 02 TUBE CIRCUIT WITH FOUR AXIAL LEAD PARTS 15109 CASE 03 TUBE CIRCUIT WITH FIVE AXIAL LEAD PARTS 15947 CASE 04 TUBE CIRCUIT WITH SIX AXIAL LEAD PARTS 16724 CASE 05 TUBE CIRCUIT WITH SEVEN AXIAL LEAD PARTS 17562 CASE 06 TUBE CIRCUIT WITH EIGHT AXIAL LEAD PARTS 18339 CASE 07 TUBE CIRCUIT WITH NINE AXIAL LEAD PARTS 19177 CASE 08 TUBE CIRCUIT WITH TEN AXIAL LEAD PARTS 20096
FFH	72X	MAA	KERERXX	SDAERXX	VARIABLE	COMPONENT(ELECTRONIC),REPLACE STARTS-WITH REACH TO GET PORTABLE ELECTRIC DRILL INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND SET UP DRILL,DRILL RIVET HEADS OFF AND REMOVE RIVETS WITH DRILL AND HAMMER,DISASSEMBLE DRILL AND ASIDE,REPOSITION ITEM(UNIT),TWO TIMES,GET VISE,PLACE RIVET SET IN VISE,GET,SET RIVETS WITH HAMMER,INSPECT INSTALLATION ENDS-WITH ASIDE RIVET SET CONDITIONS-APPLIES TO PARTS INSTALLED WITH RIVETS SUCH AS CAPACITORS,CLIPS,ETC.-PART WEIGHS TO 2.5 POUNDS,END ITEM/SUB ASSEMBLY WEIGHS TO 40 POUNDS CASE 01 SECURED WITH TWO RIVETS 5102 CASE 02 SECURED WITH FOUR RIVETS 6986 CASE 03 SECURED WITH SIX RIVETS 8870
NAA	72X	MAA	SLRCRO6	SDAFRXX	VARIABLE	FILTER OR COIL,REPLACE STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE TWO SCREWS,GET SOLDERING IRON AND UNSOLDER TWO LEADS,ASIDE IRON AND FILTER OR COIL,GET NEW FILTER OR COIL AND POSITION FOR INSTALLATION,GET TOOL AND INSTALL TWO SCREWS, STRIP TWO WIRES,TIN WIRES AND SOLDER LEADS IN POSITION,ASIDE SOLDERING IRON ENDS-WITH ASIDE SOLDERING IRON CASE 01 REMOVE FILTER OR COIL 1550 CASE 02 INSTALL FILTER OR COIL 3480



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	JLRGNOX	SDAGIXX	VARIABLE	<p>GROMMET, INSTALL, USING GUIDE WIRE AND ARBOR PRESS</p> <p>STARTS-WITH GET BOARD</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO GET GUIDE WIRE AND GROMMET, ASSEMBLE GROMMET TO WIRE, MOVE TO ASSEMBLY POINT ON BOARD, SEAT GROMMET, REMOVE WIRE, PREPARE TO PRESS GROMMET, PRESS GROMMET WITH ARBOR PRESS, AND VISUALLY EXAMINE ASSEMBLY</p> <p>ENDS-WITH ASIDE BOARD</p> <p>CONDITIONS-NO WALKING TO GET PARTS OR EQUIPMENT INCLUDED-INSTALLATION IS ON PRINTED CIRCUIT BOARD</p> <p>CASE 01 FIRST OR SINGLE GROMMET 02 EACH ADDITIONAL GROMMET ON A BOARD 03 ADD TO CASE 01 TO OPEN BENCH DRAWER, GET ENVELOPE, OPEN AND REMOVE GROMMETS</p> <p>2056 1780 638</p>
NAA	72X	MAA	SLRCR29	SDAHRXX	VARIABLE	<p>HOLDER(FUSE), REPLACE</p> <p>STARTS-WITH REACH TO SOLDERING IRON</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION SOLDERING IRON TO FIRST LEAD, UNSOLDER, UNSOLDER SECOND LEAD, ASIDE IRON, REMOVE NUT, REMOVE FUSE HOLDER AND ASIDE, GET NEW HOLDER, UNWRAP, ASIDE WRAPPING, ASIDE HOLDER, GET HOLDER AND TOOL, REMOVE NUT, PLACE HOLDER IN HOLE, INSTALL NUT, TIN AND SOLDER LEADS(TWO), ASIDE SOLDERING IRON</p> <p>ENDS-WITH ASIDE SOLDERING IRON</p> <p>CASE 01 REMOVE AND ASIDE HOLDER 02 OBTAIN AND INSTALL NEW HOLDER</p> <p>2400 4100</p>
FFD	72X	MAA	KERTJXX	SDAJRXX	VARIABLE	<p>JACK/TEST POINT(PANEL MOUNTED), REPLACE</p> <p>STARTS-WITH LOCATE POINT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REPLACE END OF WIRE LEAD TO EYELET TERMINAL, REMOVE SINGLE SCREW, REMOVE WASHER FROM SCREW, REMOVE SINGLE ALIGN PART FROM STUD, CUT OPEN PARTS BAG, REMOVE PART, UNWRAP, FIT TO STUD, INSTALL WASHER AND SCREW/BOLT(10-15 THREADS), REPOSITION END ITEM/SUB ASSEMBLY, INSPECT INSTALLATION</p> <p>ENDS-WITH INSPECT INSTALLATION</p> <p>CONDITIONS-END ITEM/SUB-ASSEMBLY TO 40 POUNDS-APPLIES TO PANEL MOUNTED TEST POINT OR JACK WITH BACK UP NUT AND FASTENED TO PANEL WITH NUT</p> <p>CASE 01 REPLACE WITH NORMAL ACCESS 02 REPLACE WITH RESTRICTED/OBSTRUCTED ACCESS</p> <p>6170 8205</p>
NAA	72X	MAA	SLRCR31	SDALR01	920	<p>LAMP(PILOT), REPLACE</p> <p>STARTS-WITH REACH TO LENS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE LENS, ASIDE, REMOVE AND ASIDE LAMP, REACH AND GET NEW LAMP, POSITION, ALIGN AND INSTALL LAMP, GET LENS AND CAP, ALIGN LENS AND SCREW ON CAP</p> <p>ENDS-WITH LENS AND CAP IN PLACE</p> <p>CONDITIONS-BAYONET BASE LAMP</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	UCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERPXX	SDAMGX	VARIABLE	<p>MOUNT(SINGLE STUD),GET,PREFARE AND FIT TO CHASSIS</p> <p>STARTS-WITH REACH TO GET PART</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET PART FROM WORKBENCH,REMOVE FASTENER AND WASHER, ADJUST BACK UP NUT WHEN REQUIRED,MOVE AND ORIENTATE PART TO CHASSIS,POSITION TO CHASSIS</p> <p>ENDS-WITH PART(MOUNT)IN POSITION ON CHASSIS</p> <p>CONDITIONS-APPLIES TO SWITCHES,POTENTIOMETERS, FUSES,HOLDERS,TEST POINTS,ETC.,NUTS FINGER TIGHT</p> <p>CASE 01 BACK UP NUT REQUIRED</p> <p>02 NO BACK UP NUT REQUIRED</p> <p>03 ADD WHEN TECHNICAL ORDER READ TO LOCATE POINTS ON CHASSIS</p>
					300	
					184	
					247	
NAA	72X	MAA	SLRCR37	SDAMRX	VARIABLE	<p>METER,REPLACE</p> <p>STARTS-WITH REACH TO UNIT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION UNIT FOR WORK,GET TOOL AND REMOVE FOUR FASTENERS SECURING METER,REMOVE METER, ASIDE TOOL,GET SOLDERING IRON,UNSOLDER TWO LEADS OR GET TOOL AND REMOVE TWO TERMINAL SCREWS,ASIDE IRON OR SCREWS AND TOOL,GET AND UNWRAP NEW METER,GET SOLDERING IRON,STRIP TWO LEADS,TIN LEADS,SOLDER LEADS TO TERMINAL OR INSTALL LEADS WITH TERMINAL SCREWS,ASIDE IRON OR TOOL,INSTALL METER,SECURE FOUR FASTENERS, ASIDE TOOL</p> <p>ENDS-WITH ASIDE SOLDERING IRON(CASE 01),ASIDE TOOL AND/OR SCREWS(CASE 02),ASIDE TOOL(CASES 03,04,05,06)</p> <p>CASE 01 REMOVE METER-UNSOLDER TWO LEADS</p> <p>02 REMOVE METER-REMOVE TWO TERMINAL SCREWS</p> <p>03 INSTALL METER-UNPACK NEW METER-SOLDER TWO LEADS</p> <p>04 INSTALL METER-UNPACK NEW METER-SECURE TWO LEADS WITH TERMINAL SCREWS</p> <p>05 REPLACE METER-TWO SOLDERED LEADS-UNPACK NEW METER</p> <p>06 REPLACE METER-TWO TERMINAL SCREWS-UNPACK NEW METER</p>
					4090	
					4740	
					6200	
					5330	
					10290	
					11530	
FFH	72X	MAA	KERPLXX	SDAPAXX	VARIABLE	<p>PLUG/CABLE(MOUNTED),DISASSEMBLE/ASSEMBLE</p> <p>STARTS-WITH REACH TO CABLE OR HARNESS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO DIS-ASSEMBLE AND ASSEMBLE NEW PLUG TO CABLE OR HARNESS</p> <p>ENDS-WITH ASIDE TOOL/CABLE OR HARNESS</p> <p>CONDITIONS-AMPHENOL,CANNON OR MIC,MALE OR FEMALE,MOUNTED TO CABLE OR HARNESS,5/8 TO 1 3/4 INCH DIAMETER-INSTALLATION OF WIRES NOT INCLUDED-DOES NOT INCLUDE INSTALL AND REMOVE FROM VISE</p> <p>CASE 01 PLUG WITH SPLIT END BELL-TWO SCREWS-APPLICABLE TO AMPHENOL PLUG AN31088-28-46 OR LIKE PLUG</p> <p>02 PLUG WITH SPLIT END BELL-W SCREWS AND RUBBER GROMMET</p> <p>03 PLUG WITH ONE PIECE THREADED END BELL WITH RUBBER GROMMET ON CABLE OR HARNESS</p> <p>04 PLUG WITH SPLIT END BELL AND THREADED ASSEMBLY RING</p> <p>05 PLUG WITH SPLIT END BELL AND NON-THREADED ASSEMBLY RING-ASSEMBLY RING TURNED 180 DEGREES TO LOCK/UNLOCK</p> <p>06 PLUG WITH ONE PIECE END BELL AND THREADED ASSEMBLY RING</p> <p>07 PLUG WITH ONE PIECE THREADED END BELL APPLICABLE TO CANNON PLUG 3106M-14-46 OR SIMILAR</p>
					3858	
					4098	
					4067	
					4113	
					3810	
					5004	
					3831	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	ACEAF15	SDAPDX	VARIABLE	<p>PLUG(ONE SOLDERED PIN),DISASSEMBLE AND ASSEMBLE</p> <p>STARTS-WITH A REACH TO OBJECT(PLUG)</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO EXAMINE PLUG(CLOSE),REMOVE ONE NUT 10 TURNS BY HAND AND ASIDE,INSTALL PLUG IN VISE,CLEAN PIN AFTER SOLDERING,ASSEMBLE PLUG,INSTALL ADAPTER AND TIGHTEN PLATE SCREWS(1/4 INCH CAP AND WASHER WITH RATCHET WRENCH,EXTENSION AND SOCKET), REMOVE PLUG FROM VISE,ASIDE WRENCH</p> <p>ENDS-WITH ASIDE WRENCH AND PLUG</p> <p>CONDITIONS-TWO PLATE SCREWS-DOES NOT INCLUDE CONNECTING WIRES</p> <p>CASE 01 NO ADAPTOR REQUIRED</p> <p>02 ADAPTOR REQUIRED-SECURED WITH TWO PLATE SCREWS</p>
					3460	
					6440	
FFH	72X	MAA	KERPLRG	SDAP003	5105	<p>PLUG,DISASSEMBLE AND ASSEMBLE</p> <p>STARTS-WITH REACH TO GET PLUG OR HARNESS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLUG AND REMOVE TWO SCREWS WITH SCREWDRIER,UNSCREW END CLAMP RING NUT,UNSCREW END CLAMP,MOVE CLAMP AND RING ON HARNESS,UNSCREW COUPLING RING,MOVE WASHER,BELL AND INSULATOR ON HARNESS AND ASIDE BARREL AND THREADED COLLAR,REMOVE INSULATOR,BELL,WASHER,RING AND CLAMP FROM HARNESS AND ASIDE,GET NEW PLUG AND LOOSEN TWO SCREWS,CLAMP NUT AND UNSCREW COLLAR OR BELL, ASIDE CLAMP,NUT,END BELL AND INSULATOR,PLACE BARREL IN VISE,GET HARNESS,PLACE CLAMP ASSEMBLY ON HARNESS,ALIGN END BELL ON HARNESS,PLACE INSULATOR,WASHER AND COUPLING NUT ON HARNESS, REMOVE BARREL FROM VISE,MOVE WASHER,NUT AND INSULATOR DOWN HARNESS AND SEAT ON BARREL,MOVE END BELL DOWN HARNESS,SCREW COUPLING ON BARREL AND MOVE CLAMP ASSEMBLY DOWN HARNESS,TIGHTEN COUPLING ON END BELL,TIGHTEN CLAMP SCREWS AND ASIDE PLUG</p> <p>ENDS-WITH ASIDE PLUG</p> <p>CONDITIONS-REMOVAL AND INSTALLATION OF WIRES NOT INCLUDED</p>
FFH	72X	MAA	KERPLRJ	SDAP004	3712	<p>PLUG(MULTI-PIN OR RIBBON-RECTANGULAR SHAPED), DISASSEMBLE AND ASSEMBLE(CABLE MOUNTED)</p> <p>STARTS-WITH REACH TO GET CABLE OR HARNESS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLUG AND REMOVE TWO SCREWS,REMOVE CLAMP,PULL TOP OFF PLUG,ASIDE PLUG,PUT PLUG IN VISE,PUSH BRACKET OUT WITH SCREWDRIER,GET TOP OF PLUG AND ORIENT,PUSH INTO RECESS,ALIGN SCREW HOLES, INSTALL FIRST SCREW,ALIGN NEXT SCREW HOLE AND INSTALL SCREW,TIGHTEN CLAMP SCREWS,</p> <p>ENDS-WITH CABLE OR HARNESS ASIDE</p> <p>CONDITIONS-REMOVAL AND INSTALLATIONS OF WIRES NOT INCLUDED</p>
FFH	72X	MAA	KEREPXX	SDAPEXX	VARIABLE	<p>PART(PLUG IN),ENGAGE BY HAND</p> <p>STARTS-WITH READ TECHNICAL ORDER OR GET PART</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO READ T/O AND FIND POINT ON CHASSIS.GET PLUG IN PART, ALIGN TO SOCKET AND SEAT AND RELEASE</p> <p>ENDS-WITH PART SEATED,AND RELEASED</p> <p>CASE 01 PLUG IN ONE PIN PART</p> <p>02 PLUG IN TWO PIN PART</p> <p>03 PLUG TUBE IN SOCKET(INCLUDES STRAIGHTEN TUBE PINS)</p> <p>04 ADD WHEN TECHNICAL ORDER IS READ TO LOCATE POINT(S)ON CHASSIS</p>
					87	
					122	
					219	
					247	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWNSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KEREMXX	SDAPFXX	VARIABLE	<p>PART(SINGLE AND MULTI=ALIGN),FIT TO CHASSIS            STARTS=WITH REACH TO GET PART            INCLUDES=ALL THE MOTIONS NECESSARY TO GET PART            FROM WORK BENCH,LOCATE POINT(S)ON CHASSIS,            PREPARE AND FIT PARTS TO CHASSIS            ENDS=WITH PART IN POSITION ON CHASSIS            CONDITIONS=APPLIES TO SWITCHES,POTENTIOMETERS,            FUSE HOLDER,ETC.</p> <p>69 CASE 01 SINGLE BOLT/SCREW=SINGLE ALIGN=NORMAL            ACCESS</p> <p>101 02 TWO TO FOUR FASTENERS=MULTI=ALIGN=            NORMAL ACCESS</p> <p>247 03 ADD WHEN TECHNICAL ORDER IS READ TO            LOCATE POINTS ON CHASSIS</p>







# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KEREXXX	SDAPIXX		<p>10 TO 15 THREADS MOUNTED WITH TWO HOLD</p> <p>NORMAL J 3210 5851 TO 2.5 2.5 TO 20 POUNDS POUNDS</p> <p>OBSTRUCTED K 5640 10293 2 4 Q R</p> <p>NORMAL J 3352 5988</p> <p>RESTRICTED/ OBSTRUCTED K 8157 15474</p> <p>MULTI-ALIGN PARTS STUD MOUNTED WITH NUT AND WASHER 10 TO 15 THREADS TO 2.5 2.5-20 POUNDS POUNDS</p> <p>NUMBER OF STUDS TO MOUNT</p> <p>2 4 2 4 S T U V</p> <p>NORMAL L 3003 4549 5288</p> <p>RESTRICTED/ NORMAL L 2929 4177 4899</p> <p>OBSTRUCTED M 5256 8749</p>
NAA	72X	MAA	CLRPT05	SOAPLXX	VARIABLE	<p>PLUG, LOCATE, CONNECT AND REMOVE STARTS-WITH CHECK PLUG NUMBER INCLUDES-ALL THE MOTIONS REQUIRED TO CHECK PLUG AND MATE TO RECEPTABLE, CONNECT PLUG TO RECEPTACLE; DISCONNECT PLUG, POSITION CABLE AS NECESSARY, POSITION COMPONENT, AND WALKING NECESSARY TO REACH REQUIRED PARTS/COMPONENTS ENDS-WITH COMPONENT POSITIONED</p> <p>1930 2830</p> <p>CASE 01 HOOK UP AND DISCONNECT BENDIX PLUG 02 HOOK UP AND DISCONNECT CANNON PLUG</p>
FFH	72X	MAA	KERALXX	SDAPMXX	VARIABLE	<p>PART (AXIAL LEAD), MOUNT IN/REMOVE FROM CLIP HOLDER</p> <p>STARTS-WITH REACH TO GET PART OR TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE/MOUNT PART IN HOLDER, GET TOOL, PRY PART OUT OF HOLDER, ASIDE PART AND TOOL</p> <p>ENDS-WITH PART IN HOLDER OR PART AND TOOL ASIDE</p> <p>62 109</p> <p>CASE 01 MOUNT PART IN HOLDER 02 REMOVE PART FROM HOLDER WITH HAND TOOL</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
CPA	72X	NAA	KEREPRX	SDAPRXX	VARIABLE	PART, REPLACE STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE OLD PART, UNPACK NEW PART AND INSTALL. INSPECT ENDS-WITH ASIDE TOOL OR PART IN PLACE CONDITIONS-DOES NOT INCLUDE REMOVE OR INSTALL WIRE/LEAD-REPOSITION TO 40 POUND UNIT TWO TIMES
					2158	CASE 01 PART FASTENED WITH TWO SCREWS-NORMAL ACCESS-OPEN NEW PART BAG WITH SCISSORS AND UNWRAP, PART PLUGGED IN WITH THREE OR MORE PINS-TRANSISTOR, AMPHORNOL PLUG
					1958	02 PART FASTENED WITH CLIP AND SCREW, CUT LEADS(EIGHT), BEND WITH PLIERS-PLUG IN PART WITH THREE OR MORE PINS-CLIP AND SCREW MOUNTED PLUG IN PART-UP TO 2.5 POUNDS
					343	03 PRY OUT PART, SEAT NEW PART IN CLIP, REMOVE AND INSTALL AXIAL LEAD IN CLIP HOLDER, PART TO 2.5 POUNDS-CLIP MOUNTED AXIAL LEAD PART SUCH AS CAPACITOR, RESISTOR, SMALL TUBE
					690	04 SNAP IN, J-SLOT OR BAYONET TYPE PART (NO TOOL REQUIRED)-REMOVE, INSTALL TUBE SHIELD 50 PERCENT-REMOVE/INSTALL MATING SLOTS AND PINS 50 PERCENT
					750	05 PART, PLUG IN-TWO PINS-ENDS WITH PART SEATED IN SOCKET-NORMAL ACCESS
					804	06 PART PLUG IN-TWO PINS-ENDS WITH PART SEATED IN SOCKET-RESTRICTED ACCESS
					878	07 PART, PLUG IN-THREE OR MORE PINS-ENDS WITH PART INSTALLED-NORMAL ACCESS
					986	08 PART, PLUG IN-THREE OR MORE PINS-ENDS WITH PART SEATED-RESTRICTED ACCESS
					877	09 TUBE, ELECTRON-APPLIES TO STANDARD ELECTRON TUBE-ENDS WITH RELEASE AFTER INSTALLATION-REMOVE OLD TUBE-INSTALL NEW TUBE-NO RETAINING SPRING
					600	10 TUBE, ELECTRON, SAME TUBE
					1207	11 TUBE, ELECTRON AND SHIELD(SAME TUBE INCLUDES IDENTIFY TUBE TYPE), 90 PERCENT SAME TUBE AND 10 PERCENT NEW TUBE
NAA	72X	MUA	ALRPROI	SDAPR12	29800	POTENTIOMETER, REPLACE STARTS-WITH POSITION UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE AND INSTALL POTENTIOMETER TO GEAR PLATE, GET AND ASIDE VISE, GET AND ASIDE MANUAL, POSITION UNIT FOR UNSOLDERING, INSTALL POTENTIOMETER IN VISE, GET AND ASIDE TWEEZERS, CHECK WIRING DIAGRAM, REMOVE SLEEVE FROM TERMINAL, UNSOLDER LEADS, REMOVE EXCESS SOLDER, REMOVE SLEEVES FROM LEADS, GET POTENTIOMETER FROM DRAWER AND UNPACK, SOLDER LEADS TO POTENTIOMETER, INSTALL IN VISE, TRIM LEADS, STRIP LEADS, TIN LEADS, INSTALL SLEEVES ON LEADS, CHECK WIRING DIAGRAMS SELECT LEADS, SOLDER LEADS TO TERMINAL, INSTALL SLEEVES OVER TERMINALS ENDS-WITH THE POTENTIOMETER INSTALLED IN GEAR PLATE



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERPSRA	SDAPR13	16389	POTENTIOMETER(STUD MOUNTED),REPLACE STARTS-WITH VISUAL INSPECTION OF PART INCLUDES-ALL THE MOTIONS NECESSARY TO INSPECT AND REMOVE OLD POT,UNPACK AND INSTALL NEW POT, CLEAN MOUNTING SPOT WITH BRUSH AND AIR,REPLACE THREE WIRES ON POST OR EYELET TERMINAL,READ TECHNICAL ORDER OUTLINE,INSPECT INSTALLATION ENDS-WITH FINAL INSPECTION CONDITIONS-WIRES ARE 12 TO 26 GAGE SOLID OR STRANDED,INSULATED,NON-SHIELDED-POTENTIOMETER IS STUD MOUNTED WITH TWO NUTS-APPLIES TO ALL STUD MOUNTED POTENTIOMETERS-NO FAULT ISOLATION INCLUDED-THREE WIRES SOLDERED AND UNSOLDERED
AF	72X	MAO	MOL-1K7	SDAPR14	1057	PLUG,REASSEMBLE TO CABLE(WITH SLEEVE) STARTS-WITH REACH TO GET SLEEVING INCLUDES-ALL THE MOTIONS NECESSARY TO GET SLEEVING,GET LUBRICANT STICK,DIP IN LUBE,PICK UP LUBE ON STICK,INSERT INTO SLEEVE AND SWAB INSIDE,REMOVE STICK AND ASIDE,GET CABLE,GET LUBE ON STICK AND DAB ON END OF CABLE,ASIDE STICK,SLIDE SLEEVE OVER END OF CABLE APPROX. 1/2 INCH,INSERT CABLE WITH SLEEVE INTO PLUG AND WIPE EXCESS GREASE FROM ASSEMBLY ENDS-WITH ASIDE ASSEMBLY
FFH	72X	MAA	KERHMX	SDARCXX	VARIABLE	CLIP(MOUNTING,TRANSISTOR),REMOVE STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO READ THE T/O,FIND LOCATION ON CHASSIS,TILT/POSITION 20 POUND END ITEM/SUB-ASSEMBLY,(2 TIMES),RE- MOVE NUT,SCREW AND WASHER,PUSH OUT BUSHING WITH HAND TOOL,READ T/O,LOCATE POINT ON CHASSIS,POSITION CHASSIS,GET CLIP AND SCREW, PLACE SCREW IN CLIP HOLE,GET AND PLACE IN- SULATED WASHER ON SCREW,GET AND PLACE INSULATED BUSHING IN CHASSIS,INSTALL CLIP AND SCREW IN BUSHING,TIGHTEN NUT ENDS-WITH ASIDE TOOL CONDITIONS-INSTALL/REMOVE ONE SCREW,WASHER, NUT AND BUSHING CASE 01 INSTALL CASE 02 REMOVE
					1439 854	
FFH	72X	MAA	KERRSXX	SDARDXX	VARIABLE	RELAY(WIRED),REPLACE STARTS-WITH INSPECTION(VISUAL) INCLUDES-ALL THE MOTIONS NECESSARY TO INSPECT, REMOVE AND INSTALL WIRE ENDS TO EYELET TERMI- NALS,REPLACE MULTI-ALIGN PART MOUNTED WITH TWO BOLTS,READ TECHNICAL ORDER,CLEAN CONTACT SPOTS AND INSPECT INSTALLATION ENDS-WITH FINAL INSPECTION CASE 01 REPLACE RELAY WITH FOUR SOLDERED LEADS CASE 02 REPLACE RELAY WITH FIVE SOLDERED LEADS CASE 03 REPLACE RELAY WITH SIX SOLDERED LEADS CASE 04 REPLACE RELAY WITH EIGHT SOLDERED LEADS CASE 05 REPLACE RELAY WITH 10 SOLDERED LEADS CASE 06 REPLACE RELAY WITH 12 SOLDERED LEADS CASE 07 REPLACE RELAY WITH 14 SOLDERED LEADS CASE 08 REPLACE RELAY WITH 16 SOLDERED LEADS CASE 09 REPLACE RELAY WITH 18 SOLDERED LEADS CASE 10 REPLACE RELAY WITH 20 SOLDERED LEADS
					23531 27940 32349 41167 49985 58403 67783 68347 67621 68185	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA OCCUP- QUALITY SOURCE DWMSTOP THU  
SOURCE ATION CODE ELEMENT VALUE

OPERATION/ELEMENT DESCRIPTION

FFH 72X MAA KERESXX SDAREXX TABLE

COMPONENT(ELECTRONIC), REPLACE  
STARTS-WITH REACH TO GET TOOL(S)  
INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE  
SCREW(S) WITH A SCREWDRIVER, REMOVE PART, OPEN  
PART BAG, REMOVE AND UNWRAP NEW PART, FIT PART  
WITH SCREW(S), INSTALL WASHER ON SCREW(S), PLACE  
PART IN POSITION, TIGHTEN SCREW(S), REPOSITION  
END ITEM/SUB ASSEMBLY  
ENDS-WITH ASIDE TOOL(S)  
CONDITIONS-INSTALLATION AND REMOVAL OF WIRES/  
LEADS NOT INCLUDED-PART WEIGHS TO 2.5 POUNDS-  
SINGLE ALIGN PART APPLIES TO RESISTORS,  
CAPACITORS, ETC.-MULTI-ALIGN PARTS APPLIES TO  
TERMINAL BOARDS, RELAYS AND LIKE ITEMS-ALL  
PARTS MOUNT WITH SCREW(S)-NEW SINGLE PARTS  
PACKED IN BAGS OR ENVELOPES, NEW MULTI-ALIGN  
PARTS PACKED IN SEALED FLAP BOX-MOUNTING  
SCREWS 9-10 THREADS

SINGLE ALIGN PARTS-

MOUNT WITH 1 SCREW  
1 WASHER 4 WASHERS  
(INSULATED)

ACCESS- A B  
NORMAL A 1468 1882

MULTI-ALIGN PARTS-

NUMBER SCREWS REQUIRED TO  
MOUNT 2 3 4 6

ACCESS- C D E F  
NORMAL B 2537 3233 4161 5785

RESTRICTED/  
OBSTRUCTED C 2798 3438 4480 6162

NAA 72X MBA SLRCR62 SDARLXX TABLE

LEAD(AND SOCKET, ELECTRON TUBE), REPLACE  
STARTS-WITH REACH TO GET TOOL(REMOVE) OR REACH  
TO GET SOCKET(INSTALL)  
INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL  
AND REMOVE SOCKET FASTENERS, ASIDE FASTENERS  
AND TOOL, GET SOLDERING IRON, UNSOLDER LEAD(S),  
ASIDE IRON, GRASP, REMOVE AND ASIDE SOCKET-REACH  
TO GET SOCKET IN BENCH, POSITION SOCKET ON  
CHASSIS, INSTALL AND TIGHTEN FASTENERS, STRIP  
WIRES, TIN WIRE(S) AND IRON, SOLDER LEADS IN  
PLACE  
ENDS-WITH ASIDE SOCKET(REMOVE) OR ASIDE SOLDER-  
ING IRON(INSTALL)

NUMBER OF TYPE AND NUMBER OF SOCKET  
LEADS FASTENERS INSTALLED  
TWO SCREWS TWO BOLTS, NUTS  
A B

REMOVE FIRST OR  
SINGLE LEAD AND  
SOCKET A 1620 2750

REMOVE EACH  
ADDITIONAL LEAD B 390 390

INSTALL SOCKET  
AND FIRST OR  
SINGLE LEAD C 2850 3090

INSTALL EACH  
ADDITIONAL LEAD D 1040 1040



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FIH	72X	MAA	KEREPDX	SDARPPX	VARIABLE	<p>PART(PLUG IN TYPE), REMOVE STARTS-WITH REACH TO COMPONENT OR READ TECH- NICAL ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP COMPONENT AND REMOVE ENDS-WITH ASIDE PART</p> <p>CASE 01 REMOVE ONE PIN COMPONENT 02 REMOVE TWO PIN COMPONENT 03 REMOVE THREE OR MORE PIN COMPONENT 04 REMOVE COMPONENT WITH MATING PINS AND SLOTS, TURN LOCK SUCH AS J SLOT TUBE SHIELDS, BAYONET BASE LAMPS, FUSE HOLDER CAP, PIN AND SLOT CONNECTOR 05 REMOVE TWO PIN COMPONENT-DIFFICULT ACCESS 06 REMOVE COMPONENT WITH THREE OR MORE PINS-RESTRICTED ACCESS 07 ADD WHEN TECHNICAL ORDER IS READ TO LOCATE PART ON CHASSIS</p>
					55	
					76	
					125	
					70	
					123	
					233	
					276	
FIH	72X	MAA	KERCCRB	SDARRXX	VARIABLE	<p>RECEPTACLE(COAXIAL), REPLACE ON PANEL STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE FASTENER AND REMOVE RECEPTACLE FROM PANEL, RE- MOVE RECEPTACLE FROM CABLE, ASIDE CABLE AND RECEPTACLE, GET SAME OR NEW RECEPTACLE(IN BAG), GET CABLE, INSTALL RECEPTACLE ON CABLE, MOUNT RECEPTACLE ON PANEL, INSPECT INSTALLATION (VISUAL) ENDS-WITH INSPECT INSTALLATION CONDITIONS-COAXIAL CABLE WITH DIAMETER GREATER THAN 1/4 INCH AND EQUAL TO OR LESS THAN 1/2 INCH</p> <p>CASE 01 REMOVE RECEPTACLE SECURED TO PANEL WITH FOUR BOLTS/SCREWS, NUTS AND WASHERS 02 INSTALL SAME RECEPTACLE 03 REPLACE SAME RECEPTACLE 04 REPLACE WITH NEW RECEPTACLE-GET AND CUT OPEN BAG, REMOVE RECEPTACLE FROM BAG, ASIDE BAG, CUT CABLE, RECEPTACLE MOUNTED ON PANEL WITH FOUR BOLTS/ SCREWS, NUTS AND WASHERS 05 REMOVE RECEPTACLE SECURED TO PANEL WITH FOUR SCREWS/BOLTS AND WASHERS ANCHOR NUT OR TAPPED HOLES 06 INSTALL SAME RECEPTACLE 07 REPLACE SAME RECEPTACLE 08 REPLACE WITH NEW RECEPTACLE-GET AND CUT OPEN NEW BAG, REMOVE RECEPTACLE FROM BAG AND ASIDE BAG; CUT CABLE, RECEPTACLE SECURED TO PANEL WITH FOUR SCREWS/BOLTS AND WASHERS-ANCHOR NUT OR TAPPED HOLES</p>
					3049	
					9635	
					12719	
					13134	
					2342	
					7905	
					10247	
					10624	
FFH	72X	MAA	KERCCDG	SDARR09	995	<p>RECEPTACLE(PANEL MOUNT TYPE), REMOVE FROM COAXIAL CABLE STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE, REMOVE SPAGHETTI, SEPARATE END BELL FROM RECEPTACLE, UNSOLDER SHIELD AND PIN AND REMOVE RECEPTACLE ENDS-WITH ASIDE CABLE CONDITIONS-COAXIAL CABLE WITH DIAMETER LESS THAN OR EQUAL TO 1/2 INCH AND GREATER THAN 1/4 INCH-DOES NOT INCLUDE REMOVAL FROM SET/UNIT</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLRCR07	SDARR10	630	RECTIFIER(CRYSTAL),REPLACE(PLUG IN TYPE) STARTS-WITH REACH TO MOUNTED RECTIFIER INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP RECTIFIER,REMOVE FROM MOUNT AND ASIDE,GET NEW RECTIFIER BOX,OPEN,REMOVE RECTIFIER FROM BOX AND UNWRAP,ASIDE EMPTY BOX AND WRAPPING,ASIDE RECTIFIER AFTER VERIFYING VALUE,PICK UP RECTI- FIER,POSITION AND INSTALL ENDS-WITH RECTIFIER IN PLACE
FFH	72X	MAA	KERETXX	SOARSXX VARIABLE		SWITCH,REPLACE STARTS-WITH READ TECHNICAL ORDER OR POSITION UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO READ THE T/O,FIND POINT ON CHASSIS,TURN UNIT TWO TIMES TO POSITION(90 DEGREES EACH TURN),FIT PART WITH SINGLE BOLT/SCREW,STAKE SWITCH AT THREE LOCATIONS,LOCATE PART TO REMOVE FROM CHASSIS, LIFT AND TURN UNIT 90 DEGREES,REMOVE STAKED SWITCH,TURN UNIT,ASIDE SWITCH AND TOOLS ENDS-WITH ASIDE TOOLS/SWITCH
					746	CASE 01 INSTALL SWITCH(STAKED)
					500	02 REMOVE SWITCH(STAKED)WITH HAMMER AND PUNCH
					636	03 INSTALL SWITCH(STAKED THREE PLACES) NO POSITIONING OF UNIT REQUIRED
					328	04 REMOVE SWITCH(STAKED THREE PLACES) NO POSITIONING OF UNIT REQUIRED
					247	05 ADD WHEN READ TECHNICAL ORDER REQUIRED
NAA	72X	MAA	SLRCR13	SDARTXX VARIABLE		TUBE(ELECTRON-PLUG IN TYPE),REPLACE STARTS-WITH REACH TO RETAINING SPRING TO REMOVE OR REACH TO NEW TUBE BOX TO INSTALL INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN SPRING,DISENGAGE AND REMOVE TUBE,ASIDE TUBE, REACH TO NEW TUBE BOX,GET BOX,OPEN AND REMOVE TUBE,ASIDE BOX,POSITION AND INSERT TUBE IN SOCKET,POSITION AND TIGHTEN SPRING TO HOLD TUBE ENDS-WITH ASIDE TUBE(REMOVE) OR WITH SPRING IN POSITION AND TIGHTENED(INSTALL OR REPLACE)
					290	CASE 01 REMOVE TUBE
					930	02 INSTALL TUBE(INCLUDES GET NEW TUBE)
					1220	03 REPLACE TUBE(INCLUDES GET NEW TUBE)
NAA	72X	MAA	SLASNXX	SDASCXX VARIABLE		SWITCH,CONNECT WIRES AND INSTALL STARTS-WITH REACH TO NUT ON SWITCH INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE NUT FROM SWITCH AND ASIDE NUT,POSITION SWITCH, GET AND INSTALL NUT,REMOVE SCREWS,SELECT AND POSITION WIRES AND REPLACE SCREWS ENDS-WITH ASIDE TOOL
					6170	CASE 01 INSTALL SINGLE POLE SINGLE THROW SWITCH-TWO SCREWS-TWO WIRES
					8220	02 INSTALL SINGLE POLE DOUBLE THROW SWITCH-THREE SCREWS-THREE WIRES
					14790	03 INSTALL DOUBLE POLE DOUBLE THROW SWITCH-SIX SCREWS-SIX WIRES
NAA	72X	MAA	SLASRXX	SDASDXX VARIABLE		SWITCH,DISCONNECT WIRES AND REMOVE STARTS-WITH REACH TO TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE SCREWS,DISENGAGE WIRES,REPLACE SCREWS,REMOVE NUT,DISENGAGE AND ASIDE SWITCH, REPLACE NUT,ASIDE TOOL ENDS-WITH ASIDE TOOL
					4990	CASE 01 REMOVE SINGLE POLE SINGLE THROW SWITCH-TWO SCREWS-TWO WIRES
					6490	02 REMOVE SINGLE POLE,DOUBLE THROW SWITCH-THREE SCREWS-THREE WIRES
					10990	03 REMOVE DOUBLE POLE DOUBLE THROW SWITCH-SIX SCREWS-SIX WIRES



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLRCN05	SDASIXX	VARIABLE	<p>SEMI-CONDUCTOR,INSTALL WITH SOLDER STARTS-WITH REACH TO REPLACEMENT INCLUDES-ALL THE MOTIONS NECESSARY TO GET PART AND REMOVE FROM PACKAGE,GET AND READ TECHNICAL DATA,CHECK DATA AGAINST REPLACEMENT,REMOVE EXCESS SOLDER FROM TERMINAL OR EYELET,ORIENT PART LEADS TO ATTACHMENT POINT,MEASURE AND CUT LEADS TO FIT,FORM LEADS,ATTACH HEAT SINKS, SOLDER LEADS(TWO),REMOVE HEAT SINKS,CLEAN SOLDERED JUNCTION WITH CLEANING SOLVENT,ASIDE PART ENDS-WITH ASIDE PART CONDITIONS-APPLIES TO SEMICONDUCTOR DEVICE CASE 01 INSTALL FIRST TWO LEADS 02 INSTALL ADDITIONAL LEAD</p>
					5970 1800	
NAA	72X	TBA	SLRCR33	SDASRXX	VARIABLE	<p>SWITCH,REPLACE(CONNECT,DISCONNECT LEADS) STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE FASTENERS SECURING SWITCH,ASIDE TOOL,GET SOLDERING IRON AND REMOVE LEADS,ASIDE IRON,REMOVE AND ASIDE SWITCH,REACH TO SWITCH ON BENCH,GET AND POSITION SWITCH TO CHASSIS, ALIGN AND INSTALL,PLACE AND TIGHTEN WASHER AND NUT,STRIP WIRES,ASIDE STRIPPER AND GET SOLDER- ING IRON,TIN WIRES(LEADS)AND SOLDER IN POSITION,ASIDE IRON ENDS-WITH ASIDE SWITCH(REMOVE)OR ASIDE IRON (INSTALL)OR REPLACE CASE 01 REMOVE SWITCH-ONE NUT-THREE LEADS 02 REMOVE SWITCH-TWO SCREWS-THREE LEADS 03 INSTALL SWITCH-ONE NUT-THREE LEADS 04 INSTALL SWITCH-TWO SCREWS-THREE LEADS 05 REPLACE SWITCH-ONE NUT-THREE LEADS 06 REPLACE SWITCH-TWO SCREWS-THREE LEADS</p>
					1240 1650 3690 4190 4930 5840	
FFE	72X	MAA	KEREWRC	SDASR07	5774	<p>SWITCH(WAFER),REPLACE STARTS-WITH REACH TO GET TOOLS INCLUDES-ALL THE MOTIONS NECESSARY TO FIND POINT ON CHASSIS,CLEAN TERMINAL,REPLACE PART IN SINGLE CLIP HOLDER,OPEN ENVELOPE,REMOVE NEW SWITCH,UNWRAP AND INSTALL,LOOSEN OR TIGHTEN SET SCREW TO HOLD SWITCH IN PLACE,REPOSITION END ITEM/SUB ASSEMBLY,FIND POINT ON CHASSIS, SOLDER AXIAL LEADS TO TERMINAL,INSTALL VINYL TUBING OR INSULATION WHEN REQUIRED,INSPECT INSTALLATION ENDS-WITH TOOLS ASIDE CONDITIONS-MOUNTED WITH 10-15 THREADS</p>
FFH	72X	MAA	KERTSXX	SDASSXX	VARIABLE	<p>SHIELD(TUBE),SNAP ON AND OFF STARTS-WITH REACH TO GET TUBE SHIELD INCLUDES-ALL THE MOTIONS NECESSARY TO GET TUBE SHIELD AND PLACE OVER TUBE,MOVE DOWN TO BASE, WIGGLE SHIELD AND SNAP INTO PLACE,GET END OF SHIELD,WIGGLE TO BREAK LOCK,DISENGAGE SHIELD FROM BASE ENDS-WITH SNAP TUBE SHIELD TO BASE AND RELEASE OR WITH SHIELD ASIDE CASE 01 INSTALL TUBE SHIELD 02 REMOVE TUBE SHIELD</p>
					100 79	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCUP- ATION	QUALITY	SOURCE CODE	UWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERTRX	SOATIXX	VARIABLE	<p>TRANSFORMER, REPLACE</p> <p>STARTS=WITH INSPECT UNIT(VISUAL)</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO REPLACE WIRE LEADS ON AN EYELET TERMINAL(S)(NORMAL ACCESS), REPLACE MULTI=ALIGN PART MOUNTED WITH FOUR BOLTS(NORMAL ACCESS), STUDY SCHEMATIC AND ILLUSTRATED PARTS BREAKDOWN, CLEAN WITH WET BRUSH/AIR, INSPECT INSTALLATION</p> <p>ENDS=WITH FINAL INSTALLATION</p> <p>CONDITIONS=APPLIES TO SIGNAL AND POWER TRANSFORMERS WEIGHING UP TO 20 POUNDS</p> <p>CASE 01 REPLACE TRANSFORMER WITH FOUR LEADS</p> <p>02 REPLACE TRANSFORMER WITH FIVE LEADS</p> <p>03 REPLACE TRANSFORMER WITH SIX LEADS</p> <p>04 REPLACE TRANSFORMER WITH SEVEN LEADS</p>
					26942	
					31351	
					35760	
					40169	
FFH	72X	MAA	KERTLAE	SOATIOS	710	<p>TERMINAL(FEED THROUGH TYPE), INSTALL</p> <p>STARTS=WITH REACH TO GET TERMINAL</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GET THE TERMINAL, PLACE IN HOLE, SOLDER TERMINAL(FEED THROUGH) IN PLACE</p> <p>ENDS=WITH ASIDE SOLDERING AID</p>
NAA	72X	NBA	SLRCR15	SDATRX	VARIABLE	<p>TUBE(ELECTRON=SOLDERED LEADS), REPLACE</p> <p>STARTS=WITH REACH TO TUBE IN HOLDING CLIP</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GRASP AND REMOVE TUBE FROM CLIP, UNSOLDER LEADS, REMOVE SLEEVES, ASIDE TUBE, REACH AND GET NEW TUBE BOX, REMOVE TUBE FROM BOX, CUT LEADS TO LENGTH, POSITION TUBE IN CLIP, POSITION SLEEVING, CHECK SLEEVING COLOR, POSITION IN PLACE, GET SOLDERING IRON AND SOLDER LEADS, ASIDE IRON, CHECK TUBE</p> <p>ENDS=WITH TUBE CONNECTIONS CHECKED</p> <p>CASE 01 REPLACE TUBE WITH FIVE LEADS=FOUR SLEEVES</p> <p>02 REPLACE TUBE WITH EIGHT LEADS=SEVEN SLEEVES</p>
					10830	
					17130	
FFH	72X	MAA	KEREPXX	SDATRO3	19769	<p>TUBE(ELECTRONIC), REPLACE</p> <p>STARTS=WITH READ TECHNICAL ORDER</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO READ T/O, TURN 20 POUND UNIT 90 DEGREES, CUT AND UNSOLDER WIRE ENDS AND REMOVE FROM CLIP TYPE HOLDER, CLEAN TERMINALS, REMOVE WIRES FROM TERMINAL POST, ASIDE, ASIDE TUBE, VACUUM AND SOLDERING GUN=READ TECHNICAL ORDER, REPOSITION UNIT TWO TIMES, INSTALL LEAD IN CLIP HOLDER, GET, STRAIGHTEN, MEASURE AND CUT WIRES, INSTALL INSULATION, FIND TUBE LOCATION ON CHASSIS, INSTALL WIRES TO TERMINAL(POST/EYELET TYPE), SOLDER WIRES TO TERMINALS, ASIDE IRON AND SOLDER, GET PLIERS AND DRESS WIRES, ASIDE PLIERS</p> <p>ENDS=WITH ASIDE PLIERS</p> <p>CONDITIONS=APPLIES TO MINIATURE TUBE WITH EIGHT LEADS, MOUNTED IN CLIP HOLDER=VACUUM AND SOLDERING GUN=50 WATTS=USED TO CLEAN TERMINALS</p>
FFH	72X	MAA	KERTUXA	SDATRO4	249	<p>TUBE(ELECTRON), REPLACE</p> <p>STARTS=WITH REACH TO TUBE IN TUBE SOCKET</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO REACH AND GRASP TUBE, WIGGLE TO LOOSEN, RELEASE TUBE, REACH AND REGRASP, DISENGAGE TUBE FROM SOCKET, PLACE TUBE ASIDE, REACH TO TUBE, PICK UP, INSPECT TUBE ARRANGEMENT, STAND TUBE UPRIGHT AND PLUG TUBE INTO SOCKET</p> <p>ENDS=WITH RELEASE TUBE SECURED IN SOCKET</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLRCR19	SDATR05	3550	TUBE(KLYSTRON=TYPE QK547),REPLACE STARTS=WITH REACH TO LATCH INCLUDES=ALL THE MOTIONS NECESSARY TO DIS- ENGAGE LATCH AND SPRING,REMOVE SHAFT,SHIELD AND REPELLER CAP,REMOVE AND ASIDE TUBE,GET NEW TUBE BOX,OPEN AND REMOVE TUBE,ASIDE BOX AND TUBE,PICK UP TUBE,INSTALL IN MOUNT,INSTALL REPELLER CAP,SHIELD AND SHAFT,ENGAGE LATCH AND SPRING ENDS=WITH SPRING IN POSITION
NAA	72X	MAA	SLRCR23	SDATR06	18580	TUBE(CATHODE RAY),REPLACE STARTS=WITH REACH TO SAFETY SHIELD(FACE) INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND PUT ON FACE SAFETY SHIELD,UNPLUG SET,GROUND HIGH VOLTAGE LEAD WITH SCREWDRIVER,REMOVE HIGH VOLTAGE LEAD,REMOVE PLUG SOCKET,REMOVE FRONT PLATE,TWO FRONT GLASSES AND CLAMP SCREWS,SLIDE TUBE FROM CHASSIS AND ASIDE TO BENCH,GET NEW TUBE IN PACKAGE,GET KNIFE AND OPEN BOX,REMOVE PACKING AND TUBE,PLACE NEW TUBE ON BENCH,GET OLD TUBE AND PUT IN NEW TUBE BOX,INSTALL PACK- ING,CLOSE AND SEAL FLAPS,CLEAN TUBE FACE AND TWO GLASSES,GET AND POSITION NEW TUBE IN CHASSIS,INSTALL TWO CLAMP SCREWS,INSTALL TWO GLASSES,INSTALL FRONT PLATE,HIGH VOLTAGE LEADS AND PLUG SOCKET,REMOVE FACE SHIELD AND HANG ON HOOK ENDS=WITH HANG FACE SHIELD ON HOOK
FFE	72X	MAA	KPMESRA	SDATR07	4749	TUBE(CATHODE RAY),REMOVE AND INSTALL STARTS=WITH REACH TO GET TOOLS INCLUDES=ALL THE MOTIONS NECESSARY TO REMOVE SECURING NUTS/SCREWS BY HAND,REMOVE MASK AND COVER,REMOVE CATHODE RAY TUBE AND ASIDE=UN- PACK NEW TUBE,PLACE IN POSITION,INSTALL MASK AND COVER,SECURE WITH HAND RUN DOWN 4 NUTS ENDS=WITH TOOLS ASIDE CONDITIONS=CONVENTIONAL/SIMPLE TUBE TYPES NO ELECTRICAL HOOK UP OR DISCONNECT INCLUDED
FFH	72X	MAA	KEREWXX	SDAWRXX	VARIABLE	WAFER,REPLACE ON WAFER SWITCH STARTS=WITH REACH TO GET TOOLS FROM WORKBENCH INCLUDES=ALL THE MOTIONS NECESSARY TO REMOVE SWITCH,REMOVE FOUR WAFERS FROM SWITCH,GET ONE WAFER FROM ENVELOPE AND UNWRAP,INSTALL NEW WAFER,INSTALL FOUR WAFERS ON SWITCH,INSTALL SWITCH ON MOUNTING STUD,MULTI=ALIGN,INSPECT INSTALLATION,REPOSITION END ITEM/SUB ASSEMBLY (TO 40 POUNDS)TWO TIMES ENDS=WITH ASIDE TOOLS CONDITIONS=SWITCH WEIGHS TO 2.5 PGUNDS=DOES NOT INCLUDE REMOVAL/INSTALLATION OF WIRE CASE 01 REPLACE SWITCH=NORMAL ACCESS 02 REPLACE SWITCH=RESTRICTED/OBSTRUCTED ACCESS
NO	72X	MAO	LAIR-1	SIDLIO1	122	LUG,IDENTIFY WITH SLEEVE MARKER STARTS=WITH REACH TO GET WIRE INCLUDES=ALL THE MOTIONS NECESSARY TO GET WIRE AND FORCE MARKER OVER LUG SHANK,ASIDE WIRE TO BENCH ENDS=WITH WIRE ASIDED TO BENCH



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLRCT04	MITCAXX	VARIABLE	<p>CONTROLS, ADJUST            STARTS-WITH REACH TO COURSE ADJUST KNOB            INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST            COURSE AND FINE CONTROLS AND OBTAIN CORRECT            RESISTANCE USING DECADE, READ VALUE FROM BOX            ENDS-WITH OBTAIN RESISTANCE VALUE            FROM DECADE SETTINGS            CONDITIONS-DECADE BOX SET UP AND READY TO            TEST FOR RESISTANCE            CASE 01 OBTAIN FIRST OR SINGLE VALUE            02 OBTAIN EACH ADDITIONAL VALUE</p>
					1940 1800	
FFD	72X	MAA	KERKS82	MITCA03	325	<p>CONTROLS, ADJUST-LOOSEN AND TIGHTEN LOCKNUT            STARTS-WITH REACH TO OBTAIN WRENCH            INCLUDES-ALL THE MOTIONS NECESSARY TO GET AN            OPEN END WRENCH, PLACE ON NUT AND LOOSEN AND            TIGHTEN THE NUT            ENDS-WITH ASIDE WRENCH</p>
NAA	72X	MUA	SLRDA51	MITGA01	1710	<p>GENERATOR (RADIO FREQUENCY), ADJUST            STARTS-WITH REACH TO GET ADJUSTMENT TOOL            INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND            POSITION ADJUSTMENT TOOL, MAKE INITIAL ADJUST-            MENT, GET PENCIL, MAKE REFERENCE MARK, ASIDE            PENCIL, ROTATE FREQUENCY CONTROL AND ADJUST,            REMOVE AND ASIDE TOOL            ENDS-WITH ASIDE ADJUSTMENT TOOL            CONDITIONS-DOES NOT INCLUDE REMOVE AND REPLACE            COVER</p>
NAA	72X	MAA	SLRDA01	MITPA01	1260	<p>POTENTIOMETER OR TRIMMER, ADJUST            STARTS-WITH REACH TO TEST INSTRUMENT            INCLUDES-ALL THE MOTIONS NECESSARY TO GET            AND POSITION TEST INSTRUMENT, OBTAIN SCREW-            DRIVER, LOCATE POTENTIOMETER OR TRIMMER            POSITION SCREWDRIVER, MAKE ONE ADJUSTMENT, ASIDE            TOOL AND REPOSITION TEST INSTRUMENT            ENDS-WITH TEST INSTRUMENT REPOSITIONED</p>
NAA	72X	MAA	SLRDA06	MITVCXX	VARIABLE	<p>VOLTAGE (STANDING WAVE RATIO), CHECK            STARTS-WITH REACH TO GET CABLES            INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND            CONNECT CABLES, ADJUST STANDING WAVE RATIO            METER, ADJUST MODULATION FREQUENCY, CHECK            COUNTER, ADJUST ATTENUATOR, ADJUST DETECTOR AND            RECHECK STANDING WAVE RATIO METER, DISCONNECT            CABLE ADJUST COARSE AND FINE GAIN CONTROLS,            POSITION LOAD (MAXIMUM UPSCALE), CHECK READING            ENDS-WITH CHECK FINAL READING            CASE 01 CHECK-FIRST OR SINGLE            02 CHECK-EACH ADDITIONAL</p>
					2820 1050	
FFF	72X	MAA	GITEMB1	SITB501	910	<p>BRIDGE (WHEATSTONE), SET UP AND DISMANTLE            STARTS-WITH REACH TO CASE LATCH            INCLUDES-ALL THE MOTIONS NECESSARY TO UNLATCH            AND OPEN CASE, REMOVE LEADS, STRAIGHTEN AND            PLACE TO TERMINALS, GET TERMINAL NUT, PLACE AND            RUN DOWN ON LEAD ENDS, REACH TO AND TURN ON            BATTERY SWITCH, REACH TO AND TURN OFF BATTERY            SWITCH, RUN OFF TERMINAL NUTS, REMOVE LEADS, FOLD            LEADS SEVEN TIMES, PLACE LEADS IN CASE, GET AND            CLOSE LID, CLOSE LATCH            ENDS-WITH CASE CLOSED AND LATCHED</p>
NAA	72X	MAA	SLACTXX	SITCCXX	VARIABLE	<p>CONTINUITY, CHECK            STARTS-WITH REACH TO GET PROBES            INCLUDES-ALL THE MOTIONS NECESSARY TO GET            PROBES, SHORT PROBES TOGETHER, SELECT SCALE,            ZERO METER, SELECT TEST POINTS, PLACE PROBES AT            TEST POINTS, OBTAIN READING, ASIDE PROBES            ENDS-WITH PROBES ASIDE            CASE 01 PERFORM FIRST OR SINGLE TEST            02 PERFORM ADDITIONAL TEST</p>
					800 190	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	TUA	JCACAF	SITCC03	3910	CAPACITOR, CALIBRATE STARTS-WITH DETERMINE CAPACITOR VALUE FROM NAME PLATE INCLUDES-ALL THE MOTIONS NECESSARY TO DE- TERMINE CAPACITOR VALUE, MOVE LEVEL ON CALIBRA- TION STANDARD TO CORRESPOND, POSITION CAPACITOR TO ADAPTER PINS AND PLUG IN, ADJUST BLUCK TO SUPPORT CAPACITOR WEIGHT, MOVE LEVER (LOW VALUE- 0-9) AND OBSERVE NULL METER, MOVE LEVER (NEXT HIGHER VALUE-0-9) AND OBSERVE NULL METER (REPEAT TWO TIMES-TOTAL FOUR OBSERVATIONS), READ CAPACITOR VARIANCE FROM OPTIMUM VALUE, DIS- CONNECT CAPACITOR AND ASIDE, WRITE VARIANCE ON CALIBRATION LABEL, ASIDE PEN ENDS-WITH ASIDE PEN CONDITIONS-CALIBRATION STANDARD, P/N 1615A CAPACITANCE BRIDGE
FFE	72X	MAA	GITEMAX	SITCMXX	VARIABLE	CHECK, MAKE WITH PORTABLE ELECTRICAL METER STARTS-WITH REACH TO METER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION METER, OBTAIN PROBES, MOVE PROBES (SIMO) TO CONTACTS, MAKE CONTACT, SEAT PROBES, READ METER (0 TO 10 DIGITS), REMOVE PROBE FROM CONTACT (SIMO), PLACE PROBES ASIDE, GET AND ASIDE METER ENDS-WITH METER ASIDE CASE 01 MAKE SINGLE OR FIRST CHECK 02 MAKE EACH ADDITIONAL CHECK-TWO NEW POINTS 336 151
NAA	72X	TUA	JCACTTX	SITCTXX	VARIABLE	CURRENT, TEST FOR INSTRUMENT CALIBRATION STARTS-WITH REACH TO BINDING POSTS INCLUDES-ALL THE MOTIONS NECESSARY TO LOUSEN BINDING POSTS, ATTACH LEADS, TIGHTEN, INSTALL LEADS TO TEST INSTRUMENT, THRUW SELECTOR SWITCH AND TURN SELECTOR SWITCH TO CURRENT, SET CON- TROL TO 0.2 VOLTS, ADJUST COARSE AND FINE CONTROLS, COMPARE READING, ADJUST DECADE 1/2 SCALE, TURN COARSE AND FINE CONTROL DOWN, ADJUST DECADE 10,000 (PRESENT), SET VOLTAGE SELECTOR TO PROPER RANGE, ADJUST COARSE AND FINE CONTROL, COMPARE READINGS, SET COARSE AND FINE CONTROL DOWN, ADJUST DECADE BACK TO ZERO, TURN SELECTOR BACK DOWN ENDS-WITH SELECTOR BACK DOWN CASE 01 FIRST OR SINGLE RANGE 02 EACH ADDITIONAL RANGE 4200 2600
NAA	72X	MAA	SLRCT08	SITCT03	720	COMPONENT (PANEL LIGHTS), TEST STARTS-WITH REACH TO ACTUATE SWITCHES OR KNUBS INCLUDES-ALL THE MOTIONS NECESSARY TO ACTUATE THREE SWITCHES/KNUBS, CHECK TEST DATA (OPEN FACED SINGLE SHEET), CHECK PANEL LIGHTS (FOUR) ENDS-WITH LIGHTS CHECKED
NAA	72X	MAA	SLRDT02	SITCT04	1470	COMPONENT, TEST WITH MEGGER STARTS-WITH REACH TO GET MEGGER INCLUDES-ALL THE MOTIONS NECESSARY TO GET MEGGER, GET AND UNCOIL LEADS, POSITION LEAD TO PIN AND PLUG SHELL, CRANK MEGGER 26 REVOLUTIONS AND CHECK METER, REMOVE AND RECOIL LEADS, ASIDE LEADS ENDS-WITH ASIDE LEADS
NAA	72X	MAA	SLRDT03	SITOT01	850	DEVICE, TEST WITH SIMPSJN 2600 CONSOLE STARTS-WITH REACH TO COARSE CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST COARSE CONTROL, OBTAIN MOMENTARILY APPEARING READING, ADJUST FINE CONTROL, OBTAIN DELAYED READING, OBSERVE READINGS ENDS-WITH READINGS OBSERVED



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MUA	SLRDT04	SITDT02	2420	<p>DEVICE, TEST WITH 691/U CONSOLE TEST SET</p> <p>STARTS-WITH REACH TO COARSE ADJUSTMENT CONTROL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST COARSE CONTROL AND OBTAIN MOMENTARILY APPEARING READING, ADJUST FINE CONTROL AND OBTAIN DELAYED READING, DEPRESS STANDARD CELL SWITCH, READJUST COARSE AND FINE CONTROLS, TAP METER FACE, OBSERVE METER INDICATION</p> <p>ENDS-WITH OBSERVE METER INDICATION</p> <p>CONDITIONS-REQUIRES ADJUSTING TWO CONTROLS WITH THREE TUNING MOTIONS EACH</p>
NAA	72X	MUA	SLRDT05	SITDT03	2200	<p>DEVICE, TEST FREQUENCY, PHASE OR MODULATION WITH OSCILLOSCOPE</p> <p>STARTS-WITH REACH TO TIME SET CONTROL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO SET TIME AND MULTIPLIER CONTROLS, SET INPUT VOLTS SELECTOR AND ADJUST STABILITY, TRIGGERING CONTROLS, ADJUST VERTICAL AND HORIZONTAL POSITION AND READOUT ON GRATICULE, READJUST TEST EQUIPMENT CONTROLS</p> <p>ENDS-WITH READJUST CONTROLS</p> <p>CONDITIONS-THIS WAVEFORM IS OBTAINED ON A TYPE 531 OR TEKTRONIX OSCILLOSCOPE</p>
NAA	72X	TUA	SLROT15	SITFOX	VARIABLE	<p>FREQUENCY, DETERMINE</p> <p>STARTS-WITH REACH TO SQUARE WAVE AMPLITUDE DISPLAY CONTROL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST THE SQUARE WAVE AMPLITUDE AND FREQUENCY DISPLAY, ADJUST DETECTOR MOUNT AND PHASE CONTROL, ADJUST FREQUENCY DIAL AND SIGNAL FREQUENCY CONTROL, DISCONNECT SQUARE WAVE GENERATOR, ADJUST POWER SET CONTROL, OBSERVE OSCILLOSCOPE DISPLAY, READJUST SIGNAL FREQUENCY AND PHASE CONTROL, TUNE COARSE AND VERNIER CONTROLS, ADJUST OSCILLOSCOPE CONTROL, ADJUST PHASE CONTROL, SET FREQUENCY CONVERTER SWITCH, ADJUST CLOSURE OF TUNING EYE, SET SELECTOR SWITCH, ADJUST MIXING FREQUENCY SWITCH TO WAVE METER VALUE AND ADJUST TO METER VALUE, READ COUNTER, GET AND ASIDE PENCIL, LOG VALUES, MULTIPLY COUNTER READING BY HARMONIC ORDER</p> <p>ENDS-WITH FREQUENCY DETERMINED</p> <p>CASE 01 SET DETECTOR, ADJUST</p> <p>02 CONNECT/DISCONNECT/ADJUST</p> <p>03 DETERMINE FREQUENCY</p>
NAA	72X	MUA	SLRDT07	SITFT01	980	<p>FREQUENCY, TEST</p> <p>STARTS-WITH REACH TO COARSE FREQUENCY ADJUST CONTROL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST COARSE AND FINE FREQUENCY CONTROLS, READ ELECTRONIC VOLTMETER, READ COUNTER</p> <p>ENDS-WITH READ COUNTER</p>
NAA	72X	MUA	SLRDA51	SITGA01	1710	<p>GENERATOR (RADIO FREQUENCY), ADJUST</p> <p>STARTS-WITH REACH TO GET ADJUSTMENT TOOL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION ADJUSTMENT TOOL, MAKE INITIAL ADJUSTMENT, GET PENCIL, MAKE REFERENCE MARK, ASIDE PENCIL, ROTATE FREQUENCY CONTROL AND ADJUST, REMOVE AND ASIDE TOOL</p> <p>ENDS-WITH ASIDE ADJUSTMENT TOOL</p> <p>CONDITIONS-DUES NOT INCLUDE REMOVE AND REPLACE COVER</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	72X	MAA	GITEMAX	SITHMXX	VARIABLE	<p>HI-POT CHECK, MAKE STARTS-WITH REACH TO GET METER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE METER IN POSITION, MAKE CHECK, PLACE METER ASIDE ENDS-WITH METER ASIDE CONDITIONS-METER WEIGHS 20 POUNDS ENW CASE 01 MAKE FIRST FIVE SECOND CHECK 02 MAKE ADDITIONAL FIVE SECOND CHECK 03 MAKE FIRST ONE MINUTE CHECK 04 MAKE ADDITIONAL ONE MINUTE CHECK</p> <p>446 211 1973 1738</p>
FFE	72X	MUA	OIGGET1	SITIC01	813	<p>INSULATION, CHECK WITH PORTABLE TESTER AND VARIAC STARTS-WITH GET METER LEADS INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND STRAIGHTEN METER LEADS, CONNECT LEADS, SELECT RANGE, ZERO METER, OBTAIN AND PLACE PROBES TO TWO CONTACTS, CHECK PART, TURN OFF AND ASIDE PROBES ENDS-WITH ASIDE PROBES CONDITIONS-GET, SET-UP AND ZERO METER OCCURS ONCE FOR EVERY FIVE INSULATION CHECKS MADE</p>
NAA	72X	MAA	SLRWT03	SITITXX	VARIABLE	<p>INSULATION/HI-POT(WIRE), TEST STARTS-WITH REACH TO VOLTAGE CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST VOLTAGE PER TECHNICAL MANUAL, POSITION LEADS TO TEST POINTS, MAKE TEST, ASIDE LEADS ENDS-WITH ASIDE TEST LEADS CASE 01 PERFORM ONE SECOND TEST 02 PERFORM ONE MINUTE TEST</p> <p>610 2280</p>
NAA	72X	TUA	SLRDT13	SITOT01	1230	<p>OUTPUT(POWER), TEST STARTS-WITH REACH TO FREQUENCY CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST UNIT TO FREQUENCY AND MAKE INSTANTANEOUS APPEARING READING, ADJUST FREQUENCY CONTROL AND MAKE DELAYED READING, ADJUST POWER OUTPUT LEVEL AND OBTAIN INSTANTANEOUS APPEARING READING, ADJUST FOR DELAYED READING, MAKE READING ENDS-WITH READ FINAL INDICATION</p>
DNA	72X	MAA	ALRDA01	SITPA01	1680	<p>POTENTIOMETER OR TRIMMER, ADJUST STARTS-WITH REACH TO GET DEVICE INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE DEVICE, POSITION FOR WORK, GET WRENCH, LOOSEN LOCKNUT, ASIDE WRENCH, GET SCREWDRIVER, TURN POTENTIOMETER OR TRIMMER(ONE ADJUSTMENT), ASIDE SCREWDRIVER, GET WRENCH, TIGHTEN LOCK NUT, ASIDE WRENCH, REPOSITION DEVICE, RELEASE ENDS-WITH RELEASE DEVICE IN NEW POSITION</p>
FFE	72X	MAA	GITEMA4	SITRC01	171	<p>RANGE(METER), CHANGE AND ADJUST ZERO KNOBS STARTS-WITH REACH TO LEAD INCLUDES-ALL THE MOTIONS NECESSARY TO GET LEAD, REMOVE FROM CONNECTION ON METER, PLACE IN NEW CONNECTION, PLACE PROBE POINTS TOGETHER, ZERO ADJUST METER, REACH TO ONE PROBE IN OTHER HAND ENDS-WITH REACH TO PROBE</p>
NAA	72X	MAA	SLRCTXX	SITROXX	VARIABLE	<p>RESISTANCE, OBTAIN VALUE WITH WHEATSTONE BRIDGE STARTS-WITH REACH TO CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST CONTROL TO APPROXIMATE VALUE, CONNECT LEADS, MAKE INITIAL READING, MAKE ADDITIONAL READINGS, ADJUST COURSE AND FINE READING CONTROLS, ASIDE LEADS ENDS-WITH ASIDE LEADS CASE 01 OBTAIN FIRST OR SINGLE READING 02 OBTAIN EACH ADDITIONAL READING</p> <p>1730 1320</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLRDT10	SITRT01	2550	REGULATION, TEST STARTS-WITH REACH TO VARIAC CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST VARIAC, WAIT ONE MINUTE, OBSERVE OUTPUT, RESET VARIAC, READ INDICATION (MOMENTARILY APPEARING) ENDS-WITH READ INDICATION
NAA	72X	MAA	CLRPTXX	SITTCXX VARIABLE		CIRCUIT BOARD, SET UP AND TEST (DIT-M-CO) STARTS-WITH ASIDE COMPONENT AT TEST AREA INCLUDES-ALL THE MOTIONS NECESSARY TO ASIDE COMPONENT AT WORK AREA, INSTALL AND REMOVE BOARD, HOOK UP AND UNHOOK CABLES TO/FROM DIT-M- CO, GET SCHEMATIC AND POSITION TO USE, SET UP MULTIPLE CIRCUIT SELECTION (THREE SWITCHES), TURN DIT-M-CO ON, ACTUATE RESET SWITCHES, RUN THRU MATRIX (ONE SECOND PER POSITION, 80 POSITIONS-TWO RUNS) RECORD MALFUNCTION, READ RESISTANCE OF MALFUNCTION ENDS-WITH TEST COMPLETED, SCHEMATIC RETURNED CONDITIONS-APPLIES TO DIT-M-CO TESTER MODELS 200/450 OR 250 CASE 01 SET UP TO TEST 02 TEST 03 RUN ADDITIONAL TEST, FROM SAME SCHEMATIC
					6878 11050 8700	
NAA	72X	TBA	SLRCT02	SITTTXX VARIABLE		TRANSISTOR (THREE LEADS), TEST STARTS-WITH REACH TO OBTAIN TESTER INCLUDES-ALL THE MOTIONS NECESSARY TO GET TESTER, UNLATCH AND REMOVE COVER, GET AND UNCOIL LEADS, CONNECT LEADS, MAKE BATTERY CHECK, GET SOLDERING IRON, PLUG IN, INSTALL HEAT SINKS, UNSOLDER THREE LEADS, REMOVE HEAT SINKS, ASIDE IRON, OBTAIN DATA BOOK, LOOK UP MAXIMUM AND MINIMUM DATA, CLIP LEADS TO E-B-C, SET SELECTOR TYPE SWITCH, TURN POWER ON, CHECK FOR SHORT, SET VOLTAGE SELECTOR TO THREE VOLTS, ADJUST POINTER TO RED LINE, TEST TRANSISTOR GAIN, SET VOLTAGE SELECTOR TO 12 VOLTS, TEST COLLECTOR CURRENT, REMOVE TEST LEADS, DISCONNECT SOLDERING IRON, ASIDE IRON, RECOIL TEST LEADS AND PLACE IN METER CASE, REPLACE COVER, SECURE LATCH ENDS-WITH ASIDE METER CONDITIONS-APPLICABLE TO TYPE 1100/U TESTER OR SIMILAR CASE 01 TEST FIRST OR SINGLE TRANSISTOR 02 TEST EACH ADDITIONAL TRANSISTOR
					6624 4734	
NAA	72X	NAA	SLRCT03	SITTT03	4740	TUBE (ELECTRON), TEST STARTS-WITH SELECT AND READ TUBE DATA INCLUDES-ALL THE MOTIONS NECESSARY TO GET DATA BOOK, READ DATA, ASIDE BOOK, SELECT LINE VOLTAGE AND ADJUST ON TUBE TESTER, SET SEVEN SELECTOR SWITCHES, INSERT TUBE IN TESTER, ROTATE SHORT TEST SWITCH, TAP TUBE WITH FINGER TO TEST FOR SHORT, SELECT RANGE, FUNCTION AND ADJUST BIAS, PUSH TRANSCONDUCTANCE TEST BUTTON AND READ VALUE, TAP TUBE WITH FINGER, REMOVE TUBE FROM TESTER AND ASIDE ENDS-WITH ASIDE TUBE
JAA	72X	MAA	SLRDTAA	SITVCXX VARIABLE		VOLTAGE/RESISTANCE, CHECK STARTS-WITH REACH TO GET METER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION METER, GET LEADS AND SHORT TEST PROBES AND ZERO METER, REFER TO SCHEMATIC DIAGRAM, SELECT METER SCALE, LOCATE TEST POINTS, POSITION PROBES, READ METER, ASIDE PROBES AND METER ENDS-WITH ASIDE METER CASE 01 SET UP AND MAKE FIRST OR SINGLE CHECK 02 MAKE EACH ADDITIONAL CHECK
					2480 1750	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLROA07	SITVC03	3430	VOLTAGE(NULL SYNCHRO),CHECK STARTS-WITH REACH TO GET WRENCH INCLUDES-ALL THE MOTIONS NECESSARY TO GET WRENCH,LOOSEN TWO SCREWS OR NUTS THREE THREADS AND ASIDE WRENCH,ADJUST COARSE AND FINE NULL CONTROLS,CHECK NULL VOLTAGE ON TEST PANEL METER,GET NUTS OR SCREWS,TIGHTEN BY HAND THREE TURNS,GET WRENCH AND FINAL TIGHTEN,ASIDE WRENCH ENDS-WITH ASIDE WRENCH CONDITIONS-USE ALLEN,BOX OR OPEN END WRENCH
NAA	72X	MAA	SLRDT11	SITVC04	1050	VOLTAGE/RESISTANCE,CHECK STARTS-WITH REACH TO GET PROBES INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION TWO PROBES,OBTAIN DELAYED READING, CHECK VALUES,REMOVE AND ASIDE PROBES ENDS-WITH ASIDE PROBES
NAA	72X	TUA	JCAVTTX	SITVTXX	VARIABLE	VOLTAGE,TEST STARTS-WITH REACH TO BINDING POST INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN BINDING POST,INSTALL LEADS AND TIGHTEN,INSTALL LEADS TO TEST INSTRUMENT,THROW SELECTOR SWITCH AND ADJUST COARSE AND FINE CONTROLS TO EACH CARDINAL POINT TO CHECK LINEARITY,VISUALLY COMPARE READINGS,TURN COARSE AND FINE CONTROLS DOWN,SWITCH TEST INSTRUMENT TO PROPER RANGE TO TEST VOLTAGE,ADJUST CONSOLE TO PROPER RANGE AND ADJUST COARSE AND FINE CONTROLS,COMPARE READINGS,TURN COARSE AND FINE CONTROLS DOWN, LOOSEN BINDING POSTS,REMOVE LEADS,TIGHTEN BINDING POSTS ENDS-WITH TIGHTEN BINDING POSTS 6380 CASE 01 FIRST OR SINGLE RANGE-READ TOLERANCE TO THREE PERCENT ACCURACY 900 02 EACH ADDITIONAL RANGE-READ TO THREE PERCENT ACCURACY 16410 03 FIRST OR SINGLE RANGE-READ TOLERANCE 0.25 TO 1.0 PERCENT ACCURACY 3790 04 EACH ADDITIONAL RANGE-READ TOLERANCE 0.25 TO 1.0 PERCENT ACCURACY
FFE	72X	MAA	GTLSTA1	MJPSP01	419	SOLDERING IRON(PISTOL GRIP TYPE),PREPARE FOR USE STARTS-WITH DEPRESS TRIGGER INCLUDES-ALL THE MOTIONS NECESSARY TO DEPRESS TRIGGER TO HEAT IRON,GET FLUX AND SOLDER AND PLACE TO WORK AREA,GET BRUSH,CLEAN TIP WITH BRUSH,ASIDE BRUSH,PULL SOLDER FROM ROLL,DIP IRON TIP IN FLUX,REMOVE TIP,PLACE SOLDER TO TIP AND TIN,PLACE SOLDER ASIDE AND RELEASE TRIGGER ENDS-WITH PLACE SOLDER ASIDE,GUN IN HAND CONDITIONS-37.5 TO 47.5 WATT IRON=HEAT UP TIME IS INTERNAL TO CLEANING(BRUSHING)IRON TIP-1/3 TO 3/16 INCH TIP
FFE	72X	MAA	GTLSTA2	MJPSP02	457	SOLDERING IRON(CONVENTIONAL TYPE),PREPARE FOR USE STARTS-WITH IRON IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE IRON TO HEAT,GET FLUX AND SOLDER,GET IRON WHEN HOT,POSITION IRON,GET BRUSH AND CLEAN TIP, ASIDE BRUSH,PULL SOLDER FROM ROLL,DIP TIP IN FLUX AND REMOVE,PLACE SOLDER TO IRON AND TIN, PLACE SOLDER ASIDE ENDS-WITH SOLDER ASIDE,IRON IN HAND CONDITIONS-37.5 TO 50 WATT IRON,HEATING INTERNAL TO CLEANING-1/8-3/16 INCH TIP



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFF	72X	TBA	GTLSKA4	MJPSTXX	VARIABLE	<p>SOLDERING IRON, TIN</p> <p>STARTS-WITH REACH TO GET SOLDER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO APPLY A SUFFICIENT AMOUNT OF SOLDER TO THE IRON TIP TO INSURE GOOD CONTACT WHILE SOLDERING</p> <p>ENDS-WITH SOLDER ASIDE, IRON IN HAND</p> <p>CONDITIONS-TIME TO HEAT TIP IS INCLUDED-WELLER TYPE GUN-ALL WATTAGE</p> <p>CASE 01 TIN BEFORE SOLDERING</p> <p>CASE 02 TIN AFTER CLEANING</p> <p>340</p> <p>385</p>
FFF	72X	MAA	GITEMA1	SJPMS01	772	<p>METER(ELECTRICAL-OHM, VOLT, ETC.), SET UP AND DISMANTLE</p> <p>STARTS-WITH REACH TO METER CASE LATCH</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO UNLATCH AND OPEN THE METER CASE, REMOVE THE METER AND LEADS FROM CASE, REMOVE RUBBER BAND FROM COILED LEADS AND STRAIGHTEN, PLACE LEADS IN SELECTED CONNECTIONS, SET SELECTOR SWITCH, RELEASE, PICK UP LEADS, REMOVE FROM CONNECTIONS, FOLD LEADS SEVEN TIMES, PUT RUBBER BAND ON LEADS, PLACE LEADS IN CASE OR ASIDE, GET, CLOSE AND LATCH CASE</p> <p>ENDS-WITH METER CASE LATCHED</p>
FFF	72X	MAA	GILDSA5	SJPMS02	334	<p>METER(TEST), SET UP AND DISMANTLE</p> <p>STARTS-WITH REACH TO GET LEADS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET LEADS, STRAIGHTEN AND CONNECT LEADS, SET RANGE SELECTOR, PICK UP LEADS, REMOVE AND COIL LEADS AND ASIDE COILED LEADS</p> <p>ENDS-WITH LEADS ASIDE</p>
FFH	72X	MAA	KERTMSA	SJPMS03	1810	<p>MULTI-METER, SET UP AND ASIDE( TO PERFORM CONTINUITY OR RESISTANCE CHECK)</p> <p>STARTS-WITH REACH TO GET METER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION THE METER, OBTAIN AND STRETCH OUT LEADS, PLUG IN METER, CHECK FOR ZERO, ADJUST TO ZERO METER, FOLD LEADS, POSITION PROBES WITH FOLDED LEADS, ASIDE PROBES TO TOOL BOX</p> <p>ENDS-WITH ASIDE METER</p> <p>CONDITIONS-DOES NOT INCLUDE CONTINUITY OR RESISTANCE CHECK</p>
NAA	72X	MAA	ACEAF51	SJPMS04	1254	<p>METER AND MEGGER, SET UP AND TAKE DOWN</p> <p>STARTS-WITH REACH TO GET METER OR MEGGER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET A METER AND A MEGGER, UNCOIL AND COIL LEADS, TURN METER SWITCH ON AND OFF, POSITION METER LEADS TOGETHER, ZERO OHMMETER</p> <p>ENDS-WITH ASIDE METER AND MEGGER</p>
FFH	72X	MAA	KERAIP1	SJPTP01	513	<p>TUBING(VINYL), PREPARE FOR INSTALLATION</p> <p>STARTS-WITH GET JAR OF TUBING</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND OPEN JAR OF TUBING, REMOVE PIECE OF TUBE AND WIPE, CUT TO DESIRED LENGTH, CLOSE AND ASIDE JAR</p> <p>ENDS-WITH ASIDE JAR</p>
FFF	72X	MAA	GECPMR1	SNFFK01	329	<p>FUSE, REPLACE</p> <p>STARTS-WITH REACH TO FUSE HOLDER CAP IN UNIT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE CAP AND FUSE, INSPECT FUSE, ASIDE FUSE AND CAP, GET NEW FUSE FROM BENCH AND REPLACE IN HOLDER, INSTALL HOLDER WITH FUSE IN UNIT</p> <p>ENDS-WITH FUSE LOCKED IN PLACE</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	72X	MAO	SECEAXX	MOHCSXX	VARIABLE	<p>PARTIAL THROTTLE REMOVE</p> <p>STARTS WITH REACH TO HANDLE PART</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP PART, DEPRESS SPRING AND TURN TO UNLOCK DIS-ENGAGE FROM BASE JR CAP, ASIDE</p> <p>ENDS-WITH PART ASIDE</p> <p>CONDITIONS-EASY ACCESS</p>
AE	72X	MAO	SECEAXX	MOHCSXX	VARIABLE	<p>CHASSIS, SLIDE FROM AND INTO CASE, ELECTRONICS ASSEMBLY</p> <p>STARTS-WITH REACH TO CASE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO SLIDE CHASSIS FROM CASE AND RELEASE, GAIN CONTROL; AND SLIDE CHASSIS INTO CASE</p> <p>ENDS-WITH RELEASE OF CHASSIS</p> <p>CONDITIONS-DOES NOT INCLUDE REMOVAL OR INSTALLATION OF FASTENERS</p> <p>CASE 01 CHASSIS WITH WEIGHT TO 25 POUNDS</p> <p>02 CHASSIS WITH WEIGHT 26 TO 50 POUNDS</p> <p>03 CHASSIS WITH WEIGHT 51 TO 100 POUNDS</p>
NF	72X	MAF	2752	MOHCT01	161	<p>CHASSIS, TURN OVER (WITH CARE)</p> <p>STARTS-WITH REACH TO CHASSIS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO LIFT AND TURN CHASSIS OVER (180 DEGREES), CENTER IN FRONT OF OPERATOR AND PLACE ON BENCH</p> <p>ENDS-WITH RELEASE CHASSIS</p> <p>CONDITIONS-APPLIES TO 30 POUND CHASSIS ONLY</p>
FFH	72X	MAA	KERPLXX	MOHPPXX	VARIABLE	<p>PART, PLUG IN BY HAND</p> <p>STARTS-WITH REACH TO GET PLUG IN COMPONENT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE COMPONENT, POSITION/ALIGN WITH HOLE, INSTALL</p> <p>ENDS-WITH PLUG IN COMPONENT INSTALLED, HAND ON COMPONENT</p> <p>CASE 01 ONE PIN PLUG-MATING PORTION OF PART IS CHASSIS MOUNTED NON-THREADED SINGLE PIN CONNECTION-PHONE JACKS, BANANA PLUG, TEST PROBE HELD TO TEST POINT, ETC.</p> <p>02 TWO PIN PLUG-MATING PORTION IS CHASSIS MOUNTED TWO PIN CONNECTOR WITH TWO GUIDE PINS-ELECTRICAL PLUGS, PLUG IN MODULES, ETC.</p> <p>03 THREE OR MORE PIN PLUG-MATING PORTION OF PART IS CHASSIS MOUNTED MULTI-PIN CONNECTIONS</p>
FFE	72X	MAA	ITEDL01	SOHC001	61	<p>CABLE (COAXIAL), DISCONNECT</p> <p>STARTS-WITH REACH TO CONNECTOR</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP CONNECTOR, PUSH IN AND TURN, DISENGAGE AND ASIDE</p> <p>ENDS-WITH ASIDE CONNECTOR</p>
FFE	72X	MAA	KERCHXX	SOHCRXX	VARIABLE	<p>CHASSIS, REMOVE FROM CASE</p> <p>STARTS-WITH REACH TO GET CHASSIS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND REMOVE CHASSIS FROM CASE AND ASIDE</p> <p>ENDS-WITH CHASSIS ASIDE</p> <p>CONDITIONS-DOES NOT INCLUDE REMOVAL OF FASTENERS</p> <p>CASE 01 CHASSIS WEIGHT TO 25 POUNDS</p> <p>02 CHASSIS WEIGHT 26 TO 50 POUNDS-CASE ON FLOOR-BEND, STOMP OR KNEEL AND ASIDE REQUIRED-MOVE CHASSIS WITH CARE</p>
AF	72X	MAB	MDL-1P	SOHCR01	85	<p>CAP AND HANDLE ASSEMBLY, REMOVE FROM CONNECTOR</p> <p>STARTS-WITH GRASP CONNECTOR BY HANDLE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP THE HANDLE, TURN CONNECTOR, KNOCK OUT CAP ASSEMBLY AND ASIDE CONNECTOR AND CAP</p> <p>ENDS-WITH ASIDE CONNECTOR AND CAP</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP-ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NO	72X	MAO	LAI-2	MPAWO01	179	WIRE(LUGGED), PAINT STARTS-WITH WIRE AND BRUSH IN SEPARATE HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO DIP BRUSH IN PAINT, WIPE OFF EXCESS AND MOVE BRUSH TO LUG AND/OR WIRE, DAB OR STROKE PAINT ON ITEM AND TURN WIRE 180 DEGREES AND STROKE OR DAB PAINT ON ITEM ENDS-WITH COMPLETE PAINTING
FFH	72X	TAA	KERPTXX	MPTSMXX	VARIABLE	SOLDER, MELT TO SOLDER/UNSOLDER STARTS-WITH SOLDER IRON CONTACT INCLUDES-ALL THE MOTIONS NECESSARY TO HEAT AREA TO SOLDER MELTING TEMPERATURE AND SOLDER OR UNSOLDER CAPACITOR TO/FROM CHASSIS, ENDS-WITH LIFT IRON FROM CAPACITOR CONDITIONS-APPLIES TO BUTTON TYPE CAPACITOR- SOLDER/UNSOLDER TO/FROM 040 MATERIAL OR CHASSIS WITH 100 WATT IRON CASE 01 SOLDER-CAPACITOR, THREE TAB BUTTON TYPE 02 UNSOLDER-INCLUDES TIME TO PRY UP TABS- CAPACITOR, THREE TAB BUTTON TYPE 03 SOLDER OR UNSOLDER 360 DEGREE BUTTON TYPE CAPACITOR
					709	
					1176	
					203	
AF	72X	TUM	SESEAXX	MPTSTXX	VARIABLE	WIRE, SOLDER TO TERMINAL-PROCESS TIME ONLY STARTS-WITH ACTUATE SWITCH ON GUN INCLUDES-ALL TIME NECESSARY TO TURN ON SOLDER- ING GUN, MOVE TO CONNECTION, APPLY HEAT TO CONNECTION, MOVE SOLDER TO CONNECTION, ALLOW SOLDER TO FLOW AROUND CONNECTION, REMOVE GUN AND SOLDER FROM CONNECTION ENDS-WITH GUN AND SOLDER IN HANDS, MOVED FROM CONNECTION CONDITIONS-VALUES DO NOT INCLUDE TOOL OR PART HANDLING. SOLDER USED-60/40 TIN AND ALLOY, ROSIN CORE, 1/8 INCH DIAMETER CASE 01 PROCESS TIME TO SOLDER TERMINAL TO WIRE, UP TO 20 GAUGE OR EQUIVALENT 02 PROCESS TIME TO SOLDER TERMINAL TO WIRE, UP TO 18 GAUGE OR EQUIVALENT 03 PROCESS TIME TO SOLDER TERMINAL TO WIRE, UP TO 16 GAUGE OR EQUIVALENT 04 PROCESS TIME TO SOLDER TERMINAL TO WIRE, UP TO 14 GAUGE OR EQUIVALENT
					260	
					290	
					340	
					360	
AF	72X	TUM	SESEAXX	MPTSWXX	VARIABLE	SOLDER, WIRE TO WIRE-PROCESS TIME ONLY STARTS-WITH ACTUATE SWITCH ON GUN INCLUDES-ALL TIME NECESSARY TO TURN ON SOLDER- ING GUN, MOVE TO WIRES, APPLY HEAT TO WIRES, MOVE SOLDER TO WIRES, ALLOW SOLDER TO FLOW AROUND WIRES, REMOVE SOLDER AND GUN FROM WIRES ENDS-WITH GUN AND SOLDER IN HANDS, MOVED FROM WIRES CONDITIONS-VALUES DO NOT INCLUDE TOOL OR PART HANDLING. SOLDER USED-60/40 TIN AND ALLOY, ROSIN CORE, 1/8 INCH DIAMETER CASE 01 PROCESS TIME TO SOLDER WIRE TO WIRE, UP TO 20 GAUGE OR EQUIVALENT 02 PROCESS TIME TO SOLDER WIRE TO WIRE, 18 AND 16 GAUGE OR EQUIVALENT 03 PROCESS TIME TO SOLDER WIRE TO WIRE, 14 GAUGE OR EQUIVALENT
					300	
					400	
					550	
FFH	72X	MAA	KERFSRA	STFSB01	959	SCREW(CAPTIVE), BACK OUT AND RESEAT STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE ONE SCREW WITH A SCREWDRIVER, TIGHTEN OR LOOSEN BY HAND, REMOVE WITH HAND(UNOBSTRUCTED), INSTALL WITH HAND(EASY, VISIBLE), TIGHTEN OR LOOSEN BY HAND, INSTALL SCREW WITH SCREWDRIVER ENDS-WITH ASIDE TOOL CONDITIONS-UP TO AND INCLUDING 1/4 INCH DIA- METER SCREW



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSIDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	JCECRPP	MTLCR01	5237	COMPOUND(POTTING), REMOVE STARTS-WITH KNIFE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO CUT OUT AND REMOVE POTTING COMPOUND FROM TYPICAL POTTED AREA CONTAINING PINS, WIRES OR OTHER OBJECTS, ASIDE OLD COMPOUND, INSPECT WORK ENDS-WITH INSPECT WORK CONDITIONS-PER 1/2 CUBIC INCH
AF	72X	MAB	MDL-1F	MTLGR01	111	GROMMET(RUBBER), REMOVE FROM BODY OF CONNECTOR ASSEMBLY STARTS-WITH PLIERS IN HAND NEAR ASSEMBLY INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE JAWS OF PLIERS AROUND GROMMET, DISENGAGE GROMMET FROM CONNECTOR, ASIDE GROMMET ENDS-WITH PLIERS IN HAND, GROMMET RELEASED
FFH	72X	MAA	KERTUSA	MTLPS01	85	PINS(TUBE), STRAIGHTEN, USING PIN STRAIGHTENER STARTS-WITH REACH TO TUBE OR PIN STRAIGHTENER INCLUDES-ALL MOTIONS NECESSARY TO STRAIGHTEN PINS OF A MINIATURE OR SEMI-MINIATURE GLASS ELECTRONIC TUBE ENDS-WITH TUBE REMOVED FROM STRAIGHTENER AND TUBE IN HAND CONDITIONS-A PIN STRAIGHTENER IS NOT USED ON STANDARD OCTAL TUBE PINS
FFD	72X	MAA	KERTLXX	MTLTIXX VARIABLE		TERMINAL, INSTALL STARTS-WITH REACH TO GET TERMINAL INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND INSTALL A SINGLE TERMINAL ON A STUD WITH WASHER, SCREW/BOLT AND LOCKNUT, ALIGN TERMINAL ENDS-WITH ASIDE TOOL 1133 CASE 01 INSTALL FIRST OR SINGLE TERMINAL ON STUD 111 02 INSTALL EACH ADDITIONAL TERMINAL ON SAME STUD
FFH	72X	MAA	KERTLAA	MTLT103	1424	TERMINAL AND LUG ASSEMBLY, INSTALL STARTS-WITH REACH TO GET TERMINAL LUG INCLUDES-ALL THE MOTIONS NECESSARY TO GET LUG, INSULATOR, PLACE LUG ON SCREW, PLACE WASHERS ON SCREW, INSTALL LOCKNUT AND SCREW, ALIGN LUG ENDS-WITH ALIGN LUG OR ASIDE TOOL CONDITIONS-SCREWDRIVER AND BACK-UP WRENCH REQUIRED NOTE-ADD 27% THUS WHEN TECHNICAL ORDER MUST BE READ TO LOCATE POINT ON CHASSIS
FFH	72X	MAA	KERTLAD	MTLT104	1817	TERMINAL(POST), INSTALL STARTS-WITH REACH TO GET TERMINAL POST INCLUDES-ALL THE MOTIONS NECESSARY TO FIT PART WITH SINGLE BOLT/SCREW AND INSTALL LOCKNUT WITH PLIERS(OBSTRUCTED) ENDS-WITH ASIDE TOOLS
FFD	72X	MAA	KERTLXX	MTLTRXX VARIABLE		TERMINAL ASSEMBLY, REMOVE STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE TERMINAL FROM CHASSIS ENDS-WITH ASIDE TOOL(S) 1175 CASE 01 REMOVE TERMINAL AND TERMINAL ASSEMBLY, THREE WASHERS, SCREW AND NUT SECURED WITH LOCKNUT 956 02 REMOVE TERMINAL(S) FROM STUD FASTENED WITH LOCKNUT AND WASHER 332 03 REMOVE TERMINAL WITH HAMMER AND CHISEL AND PUNCH



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
4E	72X	MAO	SESEAXX	MTLTR04	373	TIP, REMOVE AND REINSTALL ON ELECTRIC SOLDERING GUN STARTS-WITH PLACE WRENCH TO NUT ON TIP INCLUDES-ALL MOTIONS NECESSARY TO USE WRENCH TO LOOSEN NUT ON TIP, ASIDE WRENCH, REMOVE NUT BY HAND, REMOVE AND ASIDE TIP, POSITION TIP ONTO GUN, RUN DOWN NUT, GET WRENCH AND TIGHTEN NUT ENDS-WITH WRENCH AND SOLDERING GUN IN HANDS
NAA	72X	MAA	SLAPN03	MTLWIO1	815	PIN, INSTALL ON WIRE WITH CRIMPER STARTS-WITH REACH TO GET WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE WIRE AT WORKPLACE, GET DYKES, CUT WIRE AND ASIDE DYKES, GET WIRE STRIPPER (MECHANICAL) AND STRIP WIRE, REMOVE INSULATION AND ASIDE STRIPPER, GET WIRE, TWIST, PLACE WIRE ON PIN AND VERIFY INSERTION, GET CRIMPER, CRIMP PIN ON WIRE, RELEASE CRIMPER AND REMOVE PIN, ASIDE CRIMPER ENDS-WITH ASIDE CRIMPER AND WIRE
NAA	72X	MAA	SCEPRXX	STLPRXX	VARIABLE	PIN, REPLACE AND REINSTALL STARTS-WITH GET PLUG INCLUDES-ALL MOTIONS NECESSARY TO GET EXTRACTOR TOOL, SELECT AND REMOVE WIRED PIN, REMOVE PUSH PIN, INSTALL AND CRIMP NEW PIN, AND REINSTALL PIN IN CONNECTOR ENDS-WITH ASIDE TOOL CASE 01 FIRST PIN 02 EACH ADDITIONAL PIN 2140 1710
NAA	72X	MAA	JCEWR01	STLPRO1	3550	PIN (ELECTRICAL PLUG), REPLACE STARTS-WITH REACH TO GET REMOVAL TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO IDENTIFY PIN LETTER REAR AND FRONT, GET REMOVAL TOOL, POSITION TOOL TO PIN, PRESS OUT PIN, ASIDE TOOL, GET CUTTER AND CUT WIRE FROM PIN, ASIDE CUTTER AND PIN, REACH TO GET WIRE, STRIP WIRE, ASIDE STRIPPER, GET PIN AND CRIMPER, CRIMP WIRE TO PIN AND ASIDE CRIMPER, OBTAIN TOOL AND POSITION TO PIN, CHECK SCHEMATIC TO LOCATE PIN NUMBER ON PLUG, POSITION AND INSERT PIN IN PLUG, ASIDE TOOL AND CHECK PIN ENDS-WITH CHECK INSTALLATION
NAA	72X	MAA	SLRCRXX	STLTRXX	VARIABLE	TUBING (SHRINKABLE), REMOVE START-WITH REACH TO GET RAZOR BLADE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION BLADE TO TUBING, CUT TUBING WITH TWO STROKES, ASIDE BLADE, REMOVE TUBING, RETURN BLADE ENDS-WITH RETURN BLADE CONDITIONS-TUBE DIAMETER TO 1/4 INCH, UP TO TWO INCHES LONG CASE 01 REMOVE FIRST OR SINGLE PIECE (TWO INCH) 02 REMOVE EACH ADDITIONAL PIECE (TWO INCH) 639 269
NAA	72X	TUA	SLASHXX	STPSHXX	VARIABLE	SLEEVING (ELECTRICAL WIRE), HEAT TO SHRINK STARTS-WITH REACH TO THERMAL GUN INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION THERMAL GUN, HEAT SLEEVING, ASIDE GUN ENDS-WITH ASIDE GUN CASE 01 SLEEVING TO 1/2 INCH DIAMETER AND TWO INCHES LONG-FIRST OR SINGLE PIECE 02 SLEEVING TO 1/2 INCH DIAMETER AND TWO INCHES LONG-EACH ADDITIONAL PIECE 03 SLEEVING 1/2 TO ONE INCH DIAMETER AND TO TWO INCHES LONG-FIRST OR SINGLE PIECE 04 SLEEVING 1/2 TO ONE INCH DIAMETER AND TO TWO INCHES LONG-EACH ADDITIONAL PIECE 600 430 1060 970



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERHUX	MVSBXX	VARIABLE	BOARD(PRINTED CIRCUIT), REMOVE FROM JIG AND INSTALL IN JIG STARTS-WITH REACH TO GET CIRCUIT BOARD INCLUDES-ALL THE MOTIONS NECESSARY TO APPLY PRESSURE TO LOOSEN BOARD, REMOVE BOARD FROM JIG AND ASIDE, GET BOARD, PLACE IN JIG, MOVE ON SLIDES IN JIG ENDS-WITH CIRCUIT BOARD ASIDE OR INSTALLED IN JIG CONDITIONS-BENCH TYPE ADJUSTABLE JIG WITH SLIDE HOLDER CASE 01 REMOVE FROM JIG 02 INSTALL IN JIG 03 REMOVE, TURN AND REINSTALL
					55	
					61	
					145	
FFD	72X	MAA	KERCCXX	MWHCXX	VARIABLE	CONNECTOR END, INSTALL ON COAXIAL CABLE STARTS-WITH REACH TO GET COAX CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO UNCOIL CABLE, SEPARATE SHIELD, UNSTRAND, PLACE FERRULE ON CABLE, PLACE RUBBER WASHER AND FLANGED COLLAR ON CABLE, ATTACH SHIELD TO COLLAR, CUT WIRE, GET SOLDERING IRON, TIN IRON, APPLY SOLDER TO WIRE, PLACE PIN ON WIRE END, PUSH FERRULE TO CONNECTOR, RUN DOWN BY HAND, TIGHTEN WITH TOOL ENDS-WITH FINAL TIGHTEN CONNECTOR CASE 01 CABLE DIAMETER TO AND INCLUDING 1/4 INCH-ONE END ONLY 02 CABLE DIAMETER GREATER THAN 1/4 INCH AND LESS THAN OR EQUAL TO 1/2 INCH BOTH ENDS
					3852	
					6202	
NAA	72X	MAA	SLAWNRC	MWHCLO1	2297	CLAMP(HARNESS), LOOSEN AND TIGHTEN STARTS-WITH REACH TO GET WIRE BUNDLE AT CLAMP INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP WIRE BUNDLE, EXAMINE AREA, GET WRENCH, LOOSEN BOLT, ASIDE WRENCH, GET WRENCH, TIGHTEN BOLT, ASIDE WRENCH ENDS-WITH ASIDE WRENCH
FFE	72X	MAA	GWHISXX	MWHIIX	VARIABLE	INSULATION(SPAGHETTI), INSTALL ON WIRE(S) STARTS-WITH REACH TO GET WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND ALIGN WIRE(S) AND PLACE THROUGH INSULATION, CUT SPAGHETTI TO LENGTH ENDS-WITH WIRE IN PLACE THROUGH INSULATION CASE 01 SINGLE WIRE-ONE FOOT OF INSULATION 02 TWO TO NINE WIRES-FIRST OR SINGLE FOOT OF INSULATION 03 TWO TO NINE WIRES-EACH ADDITIONAL FOOT OF INSULATION
					266	
					644	
					160	
NO	72X	MAU	LALS-1	MWHLA01	175	LUG, ATTACH TO CONTACT WITH SCREW STARTS-WITH SCREW AND SCREW STARTER IN SEPARATE HANDS INCLUDES-ALL THE MOTIONS NECESSARY TO GET WIRE WITH HAND HOLDING SCREW, PUT STARTER IN SCREW SLOT, ACTUATE STARTER SPRING, MOVE WIRE AND SCREW TO HOLE, ENGAGE SCREW, TURN STARTER(EIGHT TIMES), RELEASE WIRE, PALM STARTER ENDS-WITH SCREW STARTER IN HAND
FFF	72X	MAA	GWHCLA1	MWHLC01	352	LUG(TERMINAL), CRIMP TO WIRE END STARTS-WITH REACH TO GET LUG INCLUDES-ALL THE MOTIONS NECESSARY TO GET LUG, PLACE ON WIRE END, GET CRIMPERS AND CRIMP LUG ON WIRE, ASIDE CRIMPERS, GET PLIERS AND GRASP LUG, HOLD LUG WITH PLIERS, TEST CRIMP BY PULLING LUG AND WIRE ENDS-WITH LUG HELD BY PLIERS READY TO INSTALL



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	72X	MAU	SEWEAXX	MWHLFX	VARIABLE	<p>LOOP, FORM OR OPEN WITH PLIERS  STARTS-WITH WIRE AND PLIERS IN HANDS  INCLUDES-ALL MOTIONS NECESSARY TO OPEN PLIERS,  POSITION TO WIRE AND BEND WIRE TO FORM LOOP AS  INDICATED  ENDS-WITH LOOP FORMED OR OPEN, PLIERS IN HAND  CONDITIONS-APPLIES TO WIRE SIZES AND TYPES  NORMALLY USED IN ELECTRONIC AND RADIO  COMMUNICATION EQUIPMENT  CASE 01 FORM OR OPEN LOOP-180 DEGREES  02 FORM OR OPEN LOOP-360 DEGREES</p>
					60 92	
FFE	72X	MAA	GWHWSXX	MWHLRX	VARIABLE	<p>LEAD(WIRE), REMOVE/INSTALL TO BINDING POST  STARTS-WITH REACH TO BINDING POST  INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN  BINDING POST NUT, REMOVE AND ASIDE LEAD, REACH  TO AND LOOSEN BINDING POST NUT, GET AND INSTALL  LEAD, TIGHTEN BINDING POST NUT FINGER TIGHT  ENDS-WITH ASIDE LEAD(REMOVE) OR WITH NUT TIGHT  (INSTALL)  CONDITIONS-LEAD ENDS WITH LUG, SPADE/HOOK OR  PIN/PIGTAIL  CASE 01 REMOVE  02 INSTALL</p>
					75 163	
AF	72X	MAA	449	MWHP101	142	<p>NUT(PLASTIC WIRE SPLICER), INSTALL  STARTS-WITH WIRES AND NUT IN HAND  INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE AND  POSITION NUT ON WIRES, TWIST NUT TIGHT  ENDS-WITH RELEASE NUT</p>
NAA	72X	MAA	SLRWNO6	MWHP101	660	<p>PIN(WITH WIRE), INSTALL IN CONNECTOR  STARTS-WITH REACH TO GET PLUG  INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLUG  AND WIRE WITH PIN ATTACHED, READ WIRE NUMBER,  LOOK AT PRINT TO OBTAIN PIN NUMBER, LOCATE PIN  HOLE IN PLUG, INSERT IN HOLE, GET PLIERS AND  PUSH PIN INTO CONNECTOR, HOLD PLUG, REMOVE AND  ASIDE PLIERS  ENDS-WITH ASIDE PLIERS TO TOOL TRAY</p>
FFE	72X	MAA	GWHWSA1	MWHSO1	179	<p>SINK(HEAT), CLAMP TO AND REMOVE FROM WIRE  STARTS-WITH REACH TO GET HEAT SINK  INCLUDES-ALL THE MOTIONS NECESSARY TO GET HEAT  SINK FROM BENCH TOP, POSITION AND MOUNT SINK ON  WIRE, REMOVE FROM WIRE AND ASIDE  ENDS-WITH HEAT SINK ASIDE  CONDITIONS-SPRING CLIP TYPE HEAT SINK, USED TO  DISSIPATE HEAT DURING SOLDERING HEAT SENSITIVE  ITEMS</p>
FFH	72X	MAA	KERWSA1	MWHSPO1	873	<p>SHIELD(METAL), PREPARE ON STRANDED WIRE FOR  GROUND  STARTS-WITH GET METAL SHIELD ON WIRE  INCLUDES-ALL MOTIONS NECESSARY TO FABRICATE A  GROUND LEAD FROM METAL SHIELD END FROM WIRE  ENDS-WITH TIN SHIELD END(PIGTAIL)  CONDITIONS-12 TO 26 GAGE SHIELDED, INSULATED,  STRANDED WIRE</p>
FF	72X	MAA	626	MWHSPO1	VARIABLE	<p>SPLICE(WIRE), WRAP WITH TAPE  STARTS-WITH WIRE AND TAPE IN SEPARATE HANDS  INCLUDES ALL THE MOTIONS NECESSARY TO PLACE  END OF TAPE ON SPLICE, WRAP AROUND SPLICE, TEAR  TAPE FROM ROLL  ENDS-WITH TEAR TAPE FROM ROLL  CONDITION-PER INCH WRAPPED  CASE 01 UP TO ONE INCH, FIRST OR SINGLE  02 EACH ADDITIONAL 1/4 INCH</p>
					172 24	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	72X	MAA	494	MWHWA01	70	WIRE, ATTACH LOOP TO TERMINAL STARTS-WITH WIRE ON TERMINAL, PLIERS IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION PLIERS TO WIRE, GRASP WIRE LOOP AND TIGHTEN, ASIDE PLIERS ENDS-WITH ASIDE PLIERS
FFH	72X	MAA	KERWSDX	MWHWRXX	VARIABLE	WIRE, REMOVE UNSOLDERED OR CUT STRANDED WIRE FROM SET/UNIT STARTS-WITH LOCATE TERMINAL INCLUDES-ALL MOTIONS NECESSARY TO REMOVE WIRE ENDS-WITH ASIDE WIRE CONDITIONS-12 TO 26 GAGE WIRE UP TO 12 INCHES LONG-DOES NOT INCLUDE TIME TO CUT OR UNSOLDER WIRE FROM TERMINAL CASE 01 REMOVE UP TO FIRST 12 INCHES 02 REMOVE EACH ADDITIONAL SIX INCHES
					394 139	
FFE	72X	TUA	GWHWSD5	MWHWRO3	428	WIRE(STRANDED), REMOVE FROM PLUG PIN(UNSOLDER) STARTS-WITH REACH TO GET PLIERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLIERS, GRASP SPAGHETTI AND RAISE FROM PIN, GET AND POSITION SOLDERING IRON TO PIN, GET PLIERS AND PULL WIRE FROM PIN, ASIDE PLIERS ENDS-WITH ASIDE PLIERS
FFH	72X	MAA	KERWSPX	MWHWTXX	VARIABLE	WIRES(STRANDED), TWIST TOGETHER IN PAIRS STARTS-WITH GET WIRES INCLUDES-ALL MOTIONS TO TWIST TWO WIRES TOGETHER ENDS-AFTER LAST TWIST CONOTIONS-ONE OVERLAY PER INCH CASE 01 TWIST TWO STRANDED WIRES-ONE OVERLAY 02 TWIST TWO STRANDED WIRES-EACH ADDITIONAL OVERLAY 03 TWIST TWO STRANDED WIRES-SIX INCHES IN LENGTH 04 TWIST TWO STRANDED WIRES-TWELVE INCHES IN LENGTH
					114 29 259 433	
FFE	72X	MAA	GWHCWA2	MWHWT05	157	WIRE, TWIST ON TERMINAL STARTS-WITH WIRE IN LEFT HAND, PLIERS IN RIGHT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO PLACE WIRE ON TERMINAL, TWIST WIRE ON TERMINAL, REMOVE PLIERS FROM LEAD ENDS-WITH LEFT HAND HOLDING WIRE OR TERMINAL AND RIGHT HAND HOLDING OPEN PLIERS NEAR TERMINAL



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DMMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION																													
FFH	72X	MAA	KERWXXX	TWHWRXX	TABLE	WIRE, REMOVE FROM VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS STARTS-WITH LOCATE TERMINAL INCLUDES-ALL MOTIONS AND TIME NECESSARY TO UNSOLDER WIRE FROM TWO TERMINALS, CLEAN TERMINALS, REMOVE AND ASIDE WIRE ENDS-WITH ASIDE WIRE CONDITIONS-12 TO 26 GAGE WIRE																													
						<table><tr><th rowspan="2">TYPE OF WIRE AND TERMINALS</th><th colspan="2">ACCESS</th></tr><tr><th>NORMAL A</th><th>RESTRICTED B</th></tr><tr><td>REMOVE BUS OR SOLID WIRE FROM PIN OR POST TERMINAL</td><td>A 3251</td><td>5039</td></tr><tr><td>REMOVE BUS OR SOLID WIRE FROM AN EYELET TERMINAL</td><td>B 3779</td><td>4939</td></tr><tr><td>REMOVE BUS OR SOLID WIRE FROM PIN OR POST TERMINAL 73 PERCENT OF THE TIME AND FROM EYELET TERMINAL 27 PERCENT OF THE TIME</td><td>C 3393</td><td>5012</td></tr><tr><td>REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM TWO POST TERMINALS-12 INCHES LONG</td><td>D 3242</td><td>5030</td></tr><tr><td>REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM TWO EYELET TERMINALS-12 INCHES LONG</td><td>E 3770</td><td>4930</td></tr><tr><td>REMOVE STRANDED, NON-SHIELDED WIRE UP TO 12 INCHES LONG-POST TERMINAL 40 PERCENT AND EYELET TERMINAL 60 PERCENT OF THE TIME</td><td>F 3559</td><td>4970</td></tr><tr><td>REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM PIN TERMINAL ONE END AND FROM EYELET TERMINAL ON OTHER END-12 INCHES LONG</td><td>G 2727</td><td>3307</td></tr><tr><td>REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM PIN TERMINAL ONE END AND FROM EYELET TERMINAL ON OTHER END-12 INCHES LONG-REMOVE GROUND LEAD FROM TERM</td><td>H 5172</td><td>5994</td></tr></table>	TYPE OF WIRE AND TERMINALS	ACCESS		NORMAL A	RESTRICTED B	REMOVE BUS OR SOLID WIRE FROM PIN OR POST TERMINAL	A 3251	5039	REMOVE BUS OR SOLID WIRE FROM AN EYELET TERMINAL	B 3779	4939	REMOVE BUS OR SOLID WIRE FROM PIN OR POST TERMINAL 73 PERCENT OF THE TIME AND FROM EYELET TERMINAL 27 PERCENT OF THE TIME	C 3393	5012	REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM TWO POST TERMINALS-12 INCHES LONG	D 3242	5030	REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM TWO EYELET TERMINALS-12 INCHES LONG	E 3770	4930	REMOVE STRANDED, NON-SHIELDED WIRE UP TO 12 INCHES LONG-POST TERMINAL 40 PERCENT AND EYELET TERMINAL 60 PERCENT OF THE TIME	F 3559	4970	REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM PIN TERMINAL ONE END AND FROM EYELET TERMINAL ON OTHER END-12 INCHES LONG	G 2727	3307	REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM PIN TERMINAL ONE END AND FROM EYELET TERMINAL ON OTHER END-12 INCHES LONG-REMOVE GROUND LEAD FROM TERM	H 5172	5994
TYPE OF WIRE AND TERMINALS	ACCESS																																		
	NORMAL A	RESTRICTED B																																	
REMOVE BUS OR SOLID WIRE FROM PIN OR POST TERMINAL	A 3251	5039																																	
REMOVE BUS OR SOLID WIRE FROM AN EYELET TERMINAL	B 3779	4939																																	
REMOVE BUS OR SOLID WIRE FROM PIN OR POST TERMINAL 73 PERCENT OF THE TIME AND FROM EYELET TERMINAL 27 PERCENT OF THE TIME	C 3393	5012																																	
REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM TWO POST TERMINALS-12 INCHES LONG	D 3242	5030																																	
REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM TWO EYELET TERMINALS-12 INCHES LONG	E 3770	4930																																	
REMOVE STRANDED, NON-SHIELDED WIRE UP TO 12 INCHES LONG-POST TERMINAL 40 PERCENT AND EYELET TERMINAL 60 PERCENT OF THE TIME	F 3559	4970																																	
REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM PIN TERMINAL ONE END AND FROM EYELET TERMINAL ON OTHER END-12 INCHES LONG	G 2727	3307																																	
REMOVE STRANDED, NON-SHIELDED, INSULATED WIRE FROM PIN TERMINAL ONE END AND FROM EYELET TERMINAL ON OTHER END-12 INCHES LONG-REMOVE GROUND LEAD FROM TERM	H 5172	5994																																	
FFH	72X	MAA	QWHWAI	SMHCCOI	2066	CABLE(COAXIAL), CUT AND TERMINATE STARTS-WITH REACH TO GET WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO GET, MEASURE AND CUT WIRE, ASIDE REMAINDER WIRE, STRAIGHTEN WIRE BY HAND, STRIP END OF WIRE, GET AND LOOSEN SHIELD, GET CUTTERS, CUT AND TRIM SHIELD, GET AND PREPARE VINYL TUBE FOR INSTALLATION, SLIP TUBING OVER INSULATION, INSPECT, ASIDE WIRE, SHIELD TRIMMINGS ENDS-WITH ASIDE SHIELD TRIMMINGS																													



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	QWHTMXX	SMHCIXX	VARIABLE	CONNECTOR(CABLE),INSTALL AND REMOVE STARTS-WITH REACH TO WIRE OR CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN STRIPPING TOOL,STRIP INSULATION,OBTAIN AND INSULATE TERMINATOR BY CRIMPING,SOLDERING AND ASSEMBLING AS NECESSARY;OR CUT WIRE AND/OR UNSOLDER AND DISASSEMBLE TERMINATOR AS NECESSARY ENDS-WITH ASIDE TOOLS,WIRE OR CABLE AND TERMINATOR CONDITIONS-DOES NOT INCLUDE THE USE OF SPECIAL TOOLS TO STRIP COAXIAL AND TRIAXIAL CABLES
				779		CASE 01 INSTALL LUGS OR SPLICES,NO.10 TO NO.22 WIRE
				3084		02 INSTALL SHIELDED CABLE CONNECTIONS USING AMP NO.47750 CRIMPING TOOL
				4255		03 INSTALL COAXIAL CABLE CONNECTORS, WEDGE LOCK(SMALL,SINGLE SHIELDING)
				993		04 REMOVE COAXIAL CABLE CONNECTORS WEDGE-LOCK(SMALL,SINGLE SHIELDING)
				7772		05 INSTALL COAXIAL CABLE CONNECTORS WEDGE-LOCK(LARGE,DOUBLE SHIELDING)
				1433		06 REMOVE COAXIAL CABLE CONNECTORS WEDGE-LOCK(LARGE,DOUBLE SHIELDING)
				14189		07 INSTALL TRIAXIAL CABLE CONNECTORS, AMP 165-38-1001 OR SIMILAR
				4596		08 REMOVE TRIAXIAL CABLE CONNECTORS, AMP 165-38-1001 OR SIMILAR
FFH	72X	MAA	KERWCAA	SMHC109	11732	CABLE(SHIELDED/COAXIAL),INSTALL STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO READ T/O,GET COIL OF WIRE,UNCOIL AND STRAIGHTEN, GET STRIPPER AND STRIP WIRE,LOOSEN METAL SHIELD,GET CUTTERS AND CUT SHIELD,ASIDE CUTTER AND GET PLIERS,TRIM SHIELD,GET AND PREPARE VINYL TUBING FOR INSTALLATION,INSTALL TUBING ON LEAD,TIN STRANDED WIRE LEAD,READ T/O AND LOCATE POINT ON CHASSIS,TURN UNIT 180 DEGREES, MEASURE AND CUT LEAD TO LENGTH,TWIST LEAD AROUND TERMINAL(POST TYPE)WITH PLIERS,CRIMP LEAD TO TERMINAL,CUT EXCESS LEAD,GET SOLDERING IRON AND SOLDER TIN IRON AND LEAD,SOLDER LEAD TO TERMINAL,INSPECT JOINT,ASIDE IRON,READ T/O, LOCATE PIN IN PLUG/RECEPTACLE,REMOVE CONNECTOR CAP,REMOVE PIN(WITH PLIERS),ASIDE PIN AND PLIERS,GET COAX CABLE,PLACE INSULATOR ON LEAD, CUT WIRE TO LENGTH,STRIP WIRE,GET SOLDERING IRON AND TIN LEAD,ASIDE IRON,PLACE PIN IN VISE ON WORKBENCH(PORTABLE VISE),TIN PIN,PLACE WIRE IN PIN,SOLDER WIRE TO PIN,REMOVE PIN AND WIRE FROM VISE,REPLACE PIN IN CONNECTOR,ASIDE VISE DRESS LEADS,READ T/O,LOCATE POINT ON CHASSIS ROUTE WIRE-HARNNESS TO TERMINAL,TURN UNIT 180 DEGREES,READ T/O,LOCATE POINT ON TERMINAL BOARD,MEASURE AND CUT GROUND WIRE,TWIST STRANDED WIRE AND TIN,WRAP LEAD ON EYELET TERMINAL,TIN IRON,SOLDER GROUND LEAD TO EYELET AND INSPECT JOINT,ASIDE IRON,DRESS LEAD ENDS-WITH DRESS LEAD AND ASIDE PLIERS CONDITIONS-INSTALL 12-16 GAUGE WIRE TO POST TERMINAL,EYELET TERMINAL AND TO PIN-100 WATT SOLDERING IRON-UNIT WEIGHS 20 POUNDS



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERWCA1	SWHC110	2654	<p>CABLE(COAXIAL),INSTALL WITH THREADED CAP STARTS-WITH REACH TO GRASP CONNECTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLIERS,LOOSEN CAP ON CONNECTOR,REMOVE CAP AND ASIDE TO WORKBENCH,ASIDE PLIERS,REMOVE AND ASIDE INSULATOR,GET PLIERS AND REMOVE PIN FROM CONNECTOR,ASIDE PIN AND PLIERS,GET CABLE AND SLIDE INSULATOR ON LEAD,CUT WIRE TO LENGTH, STRIP WIRE,GET SOLDERING IRON AND SOLDER,TIN IRON,PLACE PORTABLE VISE ON WORKBENCH,PLACE PIN IN VISE,TIN TERMINAL,PLACE WIRE IN PIN, SOLDER WIRE IN PIN,REMOVE PIN FROM VISE,GET CONNECTOR AND INSERT PIN,ASIDE VISE,GET CAP FROM WORKBENCH,PLACE ON WIRE,SLIDE INTO POSITION ON CONNECTOR,GET PLIERS AND TIGHTEN CAP ON CONNECTOR,ASIDE PLIERS ENDS-WITH ASIDE PLIERS CONDITIONS-100 WATT IRON-12-16 GAUGE WIRE- CONNECTOR WITH UNUSED CAP AND PIN ASSEMBLY INSTALLED</p>
MAA	72X	MAA	SLRCR02	SWHCRXX	VARIABLE	<p>COMPONENT,REPLACE STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION IRON TO LEADS,UNSOLDER TWO LEADS AND ASIDE COMPONENT,PICK UP NEW COMPONENT, VERIFY VALUE,POSITION COMPONENT TO CHECK FIT, CUT LEADS TO FIT,POSITION SOLDERING IRON AND FORM,INSTALL HEAT SINKS,SOLDER LEADS(TWO),RE- MOVE HEAT SINKS,FORM STRESS RELIEF,STRIP WIRE AND WICK OFF EXCESS SOLDER,ASIDE IRON ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-APPLIES TO ALL TUBULAR TYPE RESISTORS OR CAPACITORS CASE 01 REMOVE COMPONENT 02 GET AND INSTALL COMPONENT 03 REPLACE COMPONENT</p>
					1910	
					7620	
					9530	
FFH	72X	MAA	KERWCOA	SWHCR04	5734	<p>CABLE(SHIELDED/COAXIAL),REMOVE STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL MOTIONS NECESSARY TO READ,T/O, LOCATE PART ON CHASSIS,TURN UNIT 180 DEGREES AND GET CONNECTOR AND PLIERS,LOOSEN CAP ON CONNECTOR WITH PLIERS,SLIDE CAP ON CABLE,GET WIRE AND PULL PIN FROM CONNECTOR(PLUG/RECEP- TACLE),GET PLIERS,HOLD PIN WITH PLIERS AND PUSH WIRES ASIDE FOR ACCESS,GET SOLDERING IRON AND SOLDER AND TIN IRON,UNSOLDER WIRE FROM PIN,REMOVE WIRE,ASIDE PLIERS,SLIDE CAP AND IN- SULATOR FROM CABLE AND ASIDE,CLEAN TERMINAL WITH VACUUM,GET AND READ T/O,LOCATE TERMINAL, GET SOLDER AND SOLDERING IRON,TIN IRON,UN- SOLDER GROUND WIRE FROM EYELET TERMINAL,ASIDE IRON,GET SOLDERING AID AND PLACE TO WIRE END, MOVE WIRE UP AND DOWN WITH AID AND ASIDE AID TO WORKBENCH,GET PLIERS,GRASP WIRE WITH PLIERS AND PULL FROM TERMINAL,ASIDE PLIERS,CLEAN TERMINAL WITH IRON AND RAG,ASIDE,READ T/O, LOCATE POINT ON CHASSIS AND TURN UNIT 180 DEGREES,CLEAN TERMINAL WITH VACUUM,GET IRON AND TIN,UNSOLDER WIRE FROM TERMINAL USING SUL- DERING AID,ASIDE AID,GET PLIERS,GRASP WIRE AND PULL FROM TERMINAL,CLEAN TERMINAL WITH IRON AND RAG,ASIDE PLIERS,IRON AND RAG,GET PLIERS, GRASP COAX AND REMOVE,ASIDE PLIERS AND COAX ENDS-WITH ASIDE COAXIAL CABLE CONDITIONS-REMOVE 16-13 GAUGE WIRE FROM PIN-24 -17 GAUGE WIRE(GROUND)FROM EYELET TERMINAL AND POST TERMINAL-100 WATT SOLDERING IRON-UNIT WEIGHS 20 POUNDS</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DMMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERWCD1	SWHCR05	929	CABLE(COAXIAL), REMOVE FROM CONNECTOR WITH THREADED CAP STARTS-WITH REACH TO CONNECTOR INCLUDES-ALL MOTIONS NECESSARY TO GRASP AND HOLD CONNECTOR, GET PLIERS AND LOOSEN CAP ON CONNECTOR, SLIDE CAP ON COAX CABLE, PULL PIN FROM CONNECTOR WITH PLIERS, HOLD PIN WITH PLIERS, GET SOLDERING IRON AND TIN IRON, UN- SOLDER WIRE FROM PIN, REMOVE PIN, CLEAN WITH VACUUM, ASIDE PIN AND PLIERS, SLIDE CAP AND INSULATOR FROM WIRE AND ASIDE ENDS-WITH ASIDE CAP AND INSULATOR CONDITIONS-100 WATT SOLDERING IRON-12-16 GAUGE WIRE
FFD	72X	MAA	KERCCXX	SWHCSXX VARIABLE		CABLE(COAXIAL), STRIP INSULATION STARTS-WITH REACH TO GET KNIFE INCLUDES-ALL THE MOTIONS NECESSARY TO CUT AND REMOVE BOTH OUTER AND INNER INSULATION FROM A COAXIAL CABLE IN PREPARATION FOR INSTALLING CONNECTOR ENDS-WITH ASIDE INSULATION OR PLIERS CONDITIONS-APPLIES TO COAXIAL CABLE WITH DIAMETER EQUAL TO OR LESS THAN 1/2 INCH-USE PRIOR TO INSTALLING CONNECTOR END OR PANEL MOUNTED RECEPTACLE 805 CASE 01 STRIP OUTER RUBBER INSULATION-ENDS WITH ASIDE INSULATION 784 02 STRIP INNER PLASTIC DIELECTRIC IN- SULATION-ENDS WITH ASIDE PLIERS
FFH	72X	MAA	KERHMX	SWHHUXX VARIABLE		HARNESS(ELECTRICAL), UNWRAP TAPE STARTS-WITH REACH TO GET HARNESS OR CUTTERS INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE PRESSURE SENSITIVE TAPE OR NON PRESSURE SENSITIVE TAPE AND LACING FROM AN ELECTRICAL HARNESS ENDS-WITH ASIDE UNWRAPPED TAPE CONDITIONS-UNWRAP ONE TO THREE INCHES OF HARNESS 1320 CASE 01 UNWRAP 3/4 INCH TAPE FROM TO 1/2 INCH DIAMETER HARNESS-NORMAL ACCESS 1801 02 UNWRAP 3/4 INCH TAPE FROM TO 1/2 INCH DIAMETER HARNESS-RESTRICTED ACCESS 695 03 CUT AND REMOVE LACING, UNWRAP 1/2 INCH VINYL TAPE FROM TO 5/8 INCH DIAMETER HARNESS-TAPE NOT PRESSURE SENSITIVE
FFH	72X	MAA	KERHMX	SWHHWXX VARIABLE		HARNESS(ELECTRICAL), WRAP WITH TAPE STARTS-WITH REACH TO GET ROLL OF TAPE INCLUDES-ALL THE MOTIONS NECESSARY TO GET ROLL OF TAPE, PULL LENGTH OF TAPE FROM ROLL, GET CUTTER, CUT TAPE, ASIDE CUTTER AND ROLL, GRASP HARNESS, PLACE END OF TAPE ON HARNESS AND WRAP, CUT EXCESS TAPE AND ASIDE, INSPECT TAPE ON HARNESS, POSITION HARNESS TO CHASSIS ENDS-WITH RELEASE HARNESS OR TOOL CONDITIONS-WRAP ONE TO THREE INCHES OF HARNESS CASES 01 AND 02 PRESSURE SENSITIVE TAPE, CASE 03 NON PRESSURE SENSITIVE TAPE 2732 CASE 01 WRAP WITH 3/4 INCH ELECTRICAL TAPE- HARNESS TO 1/2 INCH DIAMETER-POSITION HARNESS TO CHASSIS-NORMAL ACCESS 3834 02 WRAP WITH 3/4 INCH ELECTRICAL TAPE- HARNESS TO 1/2 INCH DIAMETER-POSITION HARNESS TO CHASSIS-RESTRICTED ACCESS 6397 03 WRAP WITH 1/2 INCH VINYL TAPE AND TIE WITH CORD, HARNESS DIAMETER TO 5/8 INCH, ENDS WITH ASIDE CUTTER IT (.)- APPLIES TO NORMAL OR RESTRICTED ACCESS



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	SETUP	QUALITY	SOURCE CODE	DWMSTP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72x	MAA	SLATRX	SWHIPXX VARIABLE		INSULATION(WIRE), REMOVE STARTS-WITH REACH TO GET STRIPPER INCLUDES-ALL THE MOTIONS NECESSARY TO GET STRIPPER, POSITION WIRE IN STRIPPER, TURN ON HEAT, ROTATE WIRE, TURN HEAT OFF, REMOVE WIRE FROM STRIPPER, REMOVE INSULATION, ASIDE STRIPPER ENDS-WITH ASIDE STRIPPER CONDITIONS-APPLIES TO THERMOSTRIP ELECTRICAL WIRE INSULATION STRIPPER CASE 01 STRIP FIRST OR SINGLE PIECE OF WIRE CASE 02 STRIP EACH ADDITIONAL PIECE OF WIRE
					620	
					500	
NAA	72x	MAA	OWHISXX	SWHISXX VARIABLE		INSULATION, STRIP STARTS-WITH REACH TO WIRE(S) OR CABLE INCLUDES-ALL MOTIONS NECESSARY TO OBTAIN TOOLS, STRIP SHIELDING AND/OR INSULATION AND TRIM LOOSE THREADS ENDS-WITH LAY ASIDE WIRE(S) OR CABLE AND TOOLS CONDITIONS-APPLIES TO MILLER ADJUSTABLE DIAGONAL STRIPPER, IDEAL STRIPMASTER, PYRAMID E-Z STRIPPER, KNIFE (CASES 04, 06 AND 07 ONLY). ELEMENT IS LIMITED TO EASY ACCESSABILITY CASE 01 STRIP INSULATION TO 1/2 INCH, SINGLE WIRE. SIZE NO.22 TO NO.8 CASE 02 STRIP INSULATION TO 1/2 INCH, SINGLE WIRE OF A GROUP OF LOOSE WIRES. SIZE NO.22 TO NO.8 CASE 03 STRIP INSULATION TO 1/2 INCH, SINGLE WIRE OF A GROUP OF LOOSE WIRES- ADDITIONAL WIRE. SIZE NO.22 TO NO.8 CASE 04 STRIP SHIELDED CABLE TO 3 INCHES OF SHIELDING AND TO 5/8 INCH OF INNER AND OUTER INSULATION. SIZE NO.22 TO NO.16 WIRE CASE 05 STRIP SHIELDED CABLE TO 3 INCHES OF SHIELDING AND TO 5/8 INCH OF INNER AND OUTER INSULATION, ADDITIONAL WIRE SIZE NO.22 TO NO.16 CASE 06 STRIP COAXIAL CABLES 3/16 TO 5/16 INCH O.D. CASE 07 STRIP TRIAXIAL CABLES TO 3/8 INCH O.D.
					264	
					409	
					208	
					1113	
					1016	
					1603	
					4803	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE ACTION	QUALITY	SOURCE CODE	DMNSTOP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION																												
FFE	72X	TUA	GWHWSXX	SMHIWXX	TABLE																												
					WIRE, REMOVE/INSTALL TO/FROM CONNECTOR STARTS-WITH REACH TO GET UNIT(REMOVE)OR TO GET PLIERS(INSTALL) INCLUDES-ALL THE MOTIONS NECESSARY TO GET UNIT AND POSITION FOR WORK,GET SOLDER GUN,HEAT JOINT,GET PLIERS,REMOVE LEAD,ASIDE PLIERS-GET PLIERS,GRASP WIRE WITH PLIERS,BEND WIRE AROUND CONNECTOR,TWIST WIRE ON CONNECTOR WITH PLIERS, ASIDE PLIER,GET SOLDER GUN AND SOLDER,SOLDER WIRE TO CONNECTOR,ASIDE GUN AND SOLDER ENDS-WITH ASIDE GUN AND SOLDER CONDITIONS-APPLIES TO 17 GAUGE OR SMALLER WIRE-SOLDERING GUNS TO 100 WATTS																												
					<table><tr><th rowspan="2">OPERATIONS</th><th colspan="2">TYPE OF TERMINAL</th></tr><tr><th>PIN/POST A</th><th>EYELET B</th></tr><tr><td>REMOVE</td><td></td><td></td></tr><tr><td>FIRST OR SINGLE</td><td>A</td><td>618</td><td>722</td></tr><tr><td>EACH ADDITIONAL</td><td>B</td><td>326</td><td>406</td></tr><tr><td>INSTALL</td><td></td><td></td><td></td></tr><tr><td>FIRST OR SINGLE</td><td>C</td><td>648</td><td>709</td></tr><tr><td>EACH ADDITIONAL</td><td>D</td><td>423</td><td>538</td></tr></table>	OPERATIONS	TYPE OF TERMINAL		PIN/POST A	EYELET B	REMOVE			FIRST OR SINGLE	A	618	722	EACH ADDITIONAL	B	326	406	INSTALL				FIRST OR SINGLE	C	648	709	EACH ADDITIONAL	D	423	538
OPERATIONS	TYPE OF TERMINAL																																
	PIN/POST A	EYELET B																															
REMOVE																																	
FIRST OR SINGLE	A	618	722																														
EACH ADDITIONAL	B	326	406																														
INSTALL																																	
FIRST OR SINGLE	C	648	709																														
EACH ADDITIONAL	D	423	538																														
NAA	72X	MAA	SLAWNXX	SMHLAXX	VARIABLE																												
					LUG,ATTACH WIRE AND INSTALL STARTS-WITH REACH TO GET WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO GET WIRE AND READ NUMBER,CHECK BLUEPRINT FOR CORRESPONDING NUMBER,FIND CORRECT STUD ON TERMINAL STRIP,REMOVE AND REPLACE TERMINAL STRIP COVER,CUT WIRE TO LENGTH AND INSTALL TERMINAL LUG,REMOVE STUD NUT,INSTALL LUG AND REPLACE NUT,DETERMINE WIRE FORMING ARRANGEMENT AND FORM BUNDLE ALONG ROUTE,TIE BUNDLE ENDS-WITH BUNDLE TIED CONDITIONS-NON-SHIELDED WIRE CASE 01 INSTALL FIRST OR SINGLE WIRE 02 INSTALL EACH ADDITIONAL WIRE																												
				7760 3550																													
FFH	72X	MUA	KERWSPX	SMHLCXX	VARIABLE																												
					LEAD(WIRE),CLEAN AND PREPARE END FOR REINSTALLATION(STRANDED WIRE) STARTS-WITH REACH TO GET SOLDERING GUN INCLUDES-ALL THE MOTIONS NECESSARY TO GET IRON AND CLEANING RAG,TIN IRON,MELT SOLDER ON IRON WIPE OFF, CUT AND TRIM INSULATION,CUT WIRE TO PROPER LENGTH,ASIDE GUN AND CUTTERS ENDS-WITH ASIDE CUTTERS CONDITIONS-12 TO 26 GAUGE WIRE-100 WATT SOLDER- ING GUN CASE 01 FIRST OR SINGLE LEAD 02 EACH ADDITIONAL LEAD																												
				411 276																													



SOURCE ACTION	QUALITY	SOURCE CODE	OWMSTEP ELEMENT	END VALUE	OPERATION/ELEMENT DESCRIPTION
FF	72X	MAA	KERWEDX	SWHLRXX	VARIABLE
					LEAD, REMOVE FROM TERMINAL STARTS-WITH EYES LOOKING IN GENERAL AREA OF TERMINAL BOARD OR CHASSIS INCLUDES-ALL THE MOTIONS NECESSARY TO LOCATE POINT/TERMINAL, SELECT LEAD FROM BUNDLE OF WIRES, GET SOLDER AND IRON, TIN IRON, UNSOLDER LEAD FROM TERMINAL, GET SOLDERING AID, PLACE TO WIRE END AND PUSH UP AND DOWN ON WIRE, ASIDE AID, GET PLIERS AND REMOVE WIRE FROM TERMINAL, CLEAN WIRE WITH SOLDERING IRON AND RAG, ASIDE IRON, RAG AND PLIERS ENDS-WITH ASIDE IRON AND RAG CONDITIONS-100 WATT IRON-12 TO 26 GAUGE WIRE
				1424	CASE 01 SOLID/STRANDED-INSULATED WIRE LEAD END FROM POST TERMINAL-NORMAL ACCESS
				2318	02 SOLID/STRANDED-INSULATED WIRE LEAD END FROM POST TERMINAL-RESTRICTED ACCESS
				1688	03 SOLID/STRANDED-INSULATED WIRE LEAD END FROM EYELET TERMINAL-NORMAL ACCESS
				2268	04 SOLID/STRANDED-INSULATED WIRE LEAD END FROM EYELET TERMINAL-RESTRICTED ACCESS
FF	72X	MAA	KERWSPA	SWHLR05	7712
					LEAD (STRANDED), RELOCATE STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL MOTIONS NECESSARY TO LOCATE, UNSOLDER AND REMOVE LEAD-ROUTE, CUT TO LENGTH AND INSTALL AND RESOLDER ENDS-WITH DRESS LEAD
MAA	72X	MBA	SLRWR06	SWHLR06	1750
					LEAD, REMOVE FROM PRINTED CIRCUIT BOARD STARTS-WITH REACH TO GET HEAT SINK INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND INSTALL HEAT SINK, GET, WIPE, SHAKE AND POSITION SOLDERING IRON, TIN IRON, UNSOLDER LEAD, ASIDE IRON ENDS-WITH ASIDE IRON
FF	72X	MAA	KERWERP	SWHLR07	873
					TERMINAL LUG (RING TYPE), REPLACE ON STUD (WIRE ATTACHED) STARTS-WITH REACH TO GET SCREW OR NUT DRIVER INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE NUT AND WASHER, PALM NUT AND WASHER, REMOVE LUG FROM STUD (WITH WIRE ATTACHED), ASIDE WITH CARE, GET LUG (WIRE ATTACHED), ALIGN AND PLACE ON STUD, PLACE WASHER AND NUT ON STUD, GET TOOL AND TIGHTEN NUT OR SCREW, ASIDE TOOL ENDS-WITH ASIDE TOOL CONDITIONS-5 TO 10 THREADS-SCREW OR NUT
MAA	72X	MBA	SIPWNO7	SWHLR01	11820
					LEAD, SOLDER ON PRINTED CIRCUIT BOARD STARTS-WITH REACH TO CUTTING TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND CUT WICKING WIRE, FORM TUBULE, DIP IN SOLDER, POSITION WIRE (WICKING) TO PART OF TERMINAL, WICK OFF EXCESS SOLDER, TIN IRON, CLEAN TERMINAL WITH SOLVENT, INSPECT TERMINAL, CUT, STRIP, TRIM AND INSPECT LEAD FOR WIRE STRANDS, INSTALL WICK STOP, TIN WIRE AND REMOVE WICK STOP AND INSPECT WIRE, POSITION WIRE TO TERMINAL, GET, WIPE, SHAKE AND POSITION IRON TO LEAD, SOLDER, TIN IRON, CLEAN CONNECTION, INSPECT, REMOVE HEAT SINK, CLEAN HEAT SINK AND WICK STOP ENDS-WITH SINK AND WICK STOP CLEANED
FF	72X	MAA	KEREARD	SWHLR01	3967
					LEAD (AXIAL), UNSOLDER, SOLDER, TAG, UNTAG STARTS-WITH READ TECHNICAL ORDER INCLUDES-ALL THE MOTIONS NECESSARY TO READ COLUMN AND SENTENCE OF T/O, LOCATE AND UNSOLDER LEAD ON POST TERMINAL, CLEAN TERMINAL, TAG/UNTAG LEAD, SOLDER LEAD TO TERMINAL POST-NORMAL ACCESS ENDS-WITH ASIDE TOOLS



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERCCAC	SWHPA01	3123	PIGTAIL(GROUND LEAD), ATTACH TO CABLE SHIELD STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTION NECESSARY TO GET CABLE AND POSITION IN FRONT OF OPERATOR, GET KNIFE AND CUT INSULATION, ASIDE KNIFE, LOOSEN INSULATION AND REMOVE, LOOSEN SHIELD ON CABLE, TWIST SHIELD TO STRANDED WIRE, INSTALL SPAGHETTI(OBTAIN FROM JAR), GET AND INSTALL NUBBIN, ASIDE COAX CABLE ASSEMBLY ENDS-WHEN COMPLETED ASSEMBLY IS PLACED ASIDE FOR TRANSPARENT INSULATION TO DRY CONDITIONS-DOES NOT INCLUDE CUTTING COAX CABLE TO LENGTH
NAA	72X	MAA	JIRMM01	SWHPF01	1190	PIGTAIL(METAL SHIELD), FORM STARTS-WITH GET WIRE INCLUDES-ALL MOTIONS NECESSARY TO GET SCRIBE, PRY OPENING IN BRAIDED SHIELD, USE SCRIBE TO PULL WIRE THROUGH SHIELDING, TWIST SHIELDING TO FORM PIGTAIL, AND CUT ENDS OF PIGTAIL WITH DIAGONAL PLIERS ENDS-WITH ASIDE DIAGONAL PLIERS
FFH	72X	MAA	KERALXX	SWHP1XX	VARIABLE	PART(AXIAL LEAD), INSTALL ON PIN POST OR EYELET TERMINAL STARTS-WITH GET PART INCLUDES-ALL THE MOTIONS NECESSARY TO GET PART AND CUTTER, CUT LEADS, BEND LEADS AND PLACE ON TERMINAL, TWIST LEAD ON TERMINAL, CUT EXCESS WIRE, ASIDE SCRAP, GET SOLDERING IRON, TIN IRON AND SOLDER CONNECTIONS, INSPECT SOLDERED JOINT, DRESS ALL LEADS, ASIDE IRON, PLIERS ENDS-WITH DRESS WIRE CONDITIONS-TWO LEADS ARE CONNECTED CASE 01 NORMAL ACCESS 02 OBSTRUCTED OR DIFFICULT ACCESS
					2320 2584	
FFE	72X	MAA	GWHCWA4	SWHP103	963	PLUG(BANANA TYPE), INSTALL AND REMOVE STARTS-WITH REACH TO JUMPER ON RACK INCLUDES-ALL THE MOTIONS NECESSARY TO GET JUMPER, SEPARATE ENDS, READ DATA SHEET, LOCATE PLUG IN POINTS ON CHASSIS, INSTALL PLUGS ON BOTH ENDS OF JUMPER, REACH TO PLUGS, GRASP AND REMOVE, HANG JUMPER ON RACK, INSERT ONE END IN THE OTHER ENDS-WITH TWO PLUGS CONNECTED CONDITIONS-24 INCH JUMPER CABLE, BANANA TYPE PLUG ON EACH END
FFH	72X	MAA	KERALXX	SWHPRXX	VARIABLE	PART(AXIAL LEAD), REMOVE FROM PIN/POST OR EYELET TERMINAL STARTS-WITH REACH TO GET CUTTERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND ASIDE CUTTER, CUT BOTH LEADS, GET SOLDERING IRON AND UNSOLDER WIRES FROM TERMINALS, ASIDE IRON, GET PLIERS AND REMOVE WIRE FROM TERMINALS ENDS-WITH ASIDE PLIERS CASE 01 REMOVE FROM PIN/POST TERMINAL-NORMAL ACCESS 02 REMOVE FROM PIN/POST TERMINAL-DIFFICULT OR OBSTRUCTED ACCESS 03 REMOVE FROM EYELET TERMINAL-NORMAL ACCESS 04 REMOVE FROM EYELET TERMINAL-DIFFICULT OR OBSTRUCTED ACCESS
					1612 2285 1828 2516	



# OFFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY CODE	SOURCE ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION																							
FFH	72X	MAA	KEMPLRH	SWHPR05	6136																							
					PLUG(AC/DC WITH CLAMP AND GROUND). REPLACE ON CABLE STARTS-WITH REACH TO PLUG INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE TWO SCREWS(ON CLAMP), LOOSEN THREE TERMINAL SCREWS, PULL CORD FROM PLUG, CUT LEADS TO LENGTH AND STRIP THREE WIRES, TWIST STRANDED WIRES, LOOSEN CAP SCREWS(TWO), LOOSEN TERMINAL SCREWS (THREE), PLACE PLUG ON CORD AND WRAP WIRE AROUND PIN AND SCREW, TIGHTEN TERMINAL SCREWS (THREE), TIGHTEN CLAMP SCREWS(TWO) AND ASIDE PLUG AND CORD ENDS-WITH ASIDE PLUG AND CORD CONDITIONS-APPLIES TO AC/DC PLUG WITH GROUND LEAD																							
FFH	72X	MAA	KERWERX	SWHRLXX	TABLE																							
					LEAD, REMOVE AND INSTALL, VARIOUS TERMINALS, NORMAL AND RESTRICTED ACCESS STARTS-WITH LOCATE TERMINAL INCLUDES-ALL MOTIONS AND PROCESS TIME TO UNSOLDER AND REMOVE WIRE; CLEAN AND PREPARE WIRE AND TERMINAL; INSTALL AND SOLDER WIRE TO TERMINAL ENDS-WITH ASIDE TOOL CONDITION-12 TO 26 AWG WIRE																							
					<table><tr><th rowspan="2">TYPE OF WIRE AND TERMINALS</th><th colspan="2">ACCESS</th></tr><tr><th>NORMAL</th><th>RESTRICTED</th></tr><tr><td>INSULATED, NON-SHIELDED, SOLID OR STRANDED WIRE, POST TERMINAL</td><td>A 1863</td><td>4330</td></tr><tr><td>INSULATED, NON-SHIELDED, SOLID OR STRANDED WIRE EYELET TERMINAL</td><td>B 1127</td><td>1125</td></tr><tr><td>INSULATED, NON-SHIELDED OR SHIELDED, SOLID OR STRANDED WIRE PIN TERMINAL-CANNON, JONES PLUG/RECEPTACLE</td><td>C 2495</td><td></td></tr><tr><td>ADDITIONAL NON-INSULATED, SOLID WIRE LEAD-TO BE APPLIED WITH AXIAL LEAD PART STRANDED POST TERMINAL</td><td>D 2549</td><td>3016</td></tr><tr><td>ADDITIONAL NON-SHIELDED SOLID WIRE LEAD OF A WIRE MOUNTED COMPONENT- TO BE APPLIED WITH STRANDED FOR AXIAL LEAD PART-EYELET TERM</td><td>E 2096</td><td>3113</td></tr><tr><td>SHIELDED, INSULATED WIRE AND GROUND LEAD(SHIELD) CANNON, JONES PLUG PIN TERMINAL</td><td>F 3345</td><td>1239</td></tr></table>	TYPE OF WIRE AND TERMINALS	ACCESS		NORMAL	RESTRICTED	INSULATED, NON-SHIELDED, SOLID OR STRANDED WIRE, POST TERMINAL	A 1863	4330	INSULATED, NON-SHIELDED, SOLID OR STRANDED WIRE EYELET TERMINAL	B 1127	1125	INSULATED, NON-SHIELDED OR SHIELDED, SOLID OR STRANDED WIRE PIN TERMINAL-CANNON, JONES PLUG/RECEPTACLE	C 2495		ADDITIONAL NON-INSULATED, SOLID WIRE LEAD-TO BE APPLIED WITH AXIAL LEAD PART STRANDED POST TERMINAL	D 2549	3016	ADDITIONAL NON-SHIELDED SOLID WIRE LEAD OF A WIRE MOUNTED COMPONENT- TO BE APPLIED WITH STRANDED FOR AXIAL LEAD PART-EYELET TERM	E 2096	3113	SHIELDED, INSULATED WIRE AND GROUND LEAD(SHIELD) CANNON, JONES PLUG PIN TERMINAL	F 3345	1239
TYPE OF WIRE AND TERMINALS	ACCESS																											
	NORMAL	RESTRICTED																										
INSULATED, NON-SHIELDED, SOLID OR STRANDED WIRE, POST TERMINAL	A 1863	4330																										
INSULATED, NON-SHIELDED, SOLID OR STRANDED WIRE EYELET TERMINAL	B 1127	1125																										
INSULATED, NON-SHIELDED OR SHIELDED, SOLID OR STRANDED WIRE PIN TERMINAL-CANNON, JONES PLUG/RECEPTACLE	C 2495																											
ADDITIONAL NON-INSULATED, SOLID WIRE LEAD-TO BE APPLIED WITH AXIAL LEAD PART STRANDED POST TERMINAL	D 2549	3016																										
ADDITIONAL NON-SHIELDED SOLID WIRE LEAD OF A WIRE MOUNTED COMPONENT- TO BE APPLIED WITH STRANDED FOR AXIAL LEAD PART-EYELET TERM	E 2096	3113																										
SHIELDED, INSULATED WIRE AND GROUND LEAD(SHIELD) CANNON, JONES PLUG PIN TERMINAL	F 3345	1239																										



DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERALXX	SWHRPXX	VARIABLE	PART(AXIAL LEAD), REPLACE ON PIN/POST TERMINAL OR EYELET TYPE TERMINAL STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET CUTTER, CUT LEADS, UNSOLDER WIRE FROM TERMINAL, CLEAN TERMINAL WITH IRON AND RAG, OPEN PART BAG WITH SCISSORS, UNPACK PART, ATTACH AND SOLDER NEW PART LEADS TO TERMINAL ENDS-WITH DRESS REPLACED WIRE 5296 CASE 01 REPLACE ON PIN/POST TERMINAL-NORMAL ACCESS 6233 02 REPLACE ON PIN/POST TERMINAL-DIFFICULT OR OBSTRUCTED ACCESS 5558 03 REPLACE ON EYELET TYPE TERMINAL-NORMAL ACCESS 6510 04 REPLACE ON EYELET TYPE TERMINAL-DIFFICULT OR OBSTRUCTED ACCESS
NAA	72X	MAA	SLAWNXX	SWHRWXX	VARIABLE	WIRE, ROUTE THROUGH OBSTRUCTION STARTS-WITH GET WIRE FROM TOOL TRAY INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE WIRE, PULL FROM COILS OF OTHER WIRE, SHAKE TO STRAIGHTEN, GET WIRE GUIDE AND ROUTE THROUGH OBSTRUCTION, ASIDE TOOL ENDS-WITH ASIDE TOOL 753 CASE 01 OBSTRUCTION WITH MODERATE ACCESS-FIRST OR SINGLE OBSTRUCTION 315 02 EACH ADDITIONAL OBSTRUCTION WITH MODERATE ACCESS 934 03 OBSTRUCTION WITH DIFFICULT ACCESS-FIRST OR SINGLE OBSTRUCTION 496 04 EACH ADDITIONAL OBSTRUCTION WITH DIFFICULT ACCESS
FFH	72X	MAA	KERWSA2	SWHRW05	881	WIRE, ROUTE FROM ONE TERMINAL TO HARNESS AND FROM HARNESS TO THE OTHER TERMINAL STARTS-WITH GET WIRE INCLUDES-ALL MOTIONS NECESSARY TO ROUTE THE WIRE FROM ONE TERMINAL TO THE HARNESS AND FROM THE HARNESS TO THE OTHER TERMINAL AND CUT LEAD TO LENGTH ENDS-WITH CUT WIRE TO LENGTH CONDITIONS-FOR ROUTING ALONG THE HARNESS APPLY TIME FOR ELEMENT 72X SWHRW02 ONE TIME FOR EACH SIX INCHES ROUTED-DOES NOT INCLUDE LACING
FFH	72X	MAA	KERWSA3	SWHRW06	723	WIRE, ROUTE SIX INCHES ALONG HARNESS STARTS-WITH SLIDE FINGER OR HAND ALONG WIRE INCLUDES-ALL MOTIONS NECESSARY TO ROUTE WIRE OR CABLE ALONG 6 INCHES OF HARNESS HAVING ONE OBSTRUCTION EACH TWO INCHES ENDS-WITH ROUTE UNDER OBSTRUCTION
FFH	72X	MAA	KERWSA4	SWHRW07	137	WIRE, ROUTE THROUGH GROMMET OR HOLE STARTS-WITH GET WIRE INCLUDES-ALL MOTIONS NECESSARY TO STRAIGHTEN, POSITION AND ROUTE WIRE THROUGH HOLE OR GROMMET ENDS-WITH PULL WIRE TAUT
FFH	72X	MAA	KERTLOC	SWHST01	520	SOLDER(CONNECTION), TOUCH UP STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND MOVE IRON TO WORK, FEEL IRON, HEAT IRON, AND MOVE EXCESS SOLDER WIRE FROM IRON AND IRON TO WORK TO FINISH UP ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-FOR ROUTING ALONG THE HARNESS APPLY TIME FOR ELEMENT 72X SWHRW02 ONE TIME FOR EACH SIX INCHES ROUTED-DOES NOT INCLUDE LACING APPLIES TO CONNECTION ON EYELET TERMINAL



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERCCA4	SWHSU01	2694	SHIELD(CABLE-BRAIDED METAL),UNRAVEL STARTS-WITH REACH TO GET KNIFE INCLUDES-ALL THE MOTIONS NECESSARY TO UNRAVEL, TRIM,DRESS AND FIT METAL SHIELD TO END BELL ENDS-WITH ASIDE CUTTERS CONDITIONS-COAXIAL CABLE WITH DIAMETER GREATER THAN 1/4 INCH AND EQUAL TO OR LESS THAN 1/2 INCH-CABLE IS TO BE CONNECTED TO PANEL MOUNTED RECEPTACLE
NAA	72X	MAA	SLAWNXX	SWHSWXX VARIABLE	29820 13080	WIRES,SPLICE(SHIELDED WIRE) STARTS-WITH REACH TO CUTTING PLIERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLIERS,CUT AND REMOVE BUNDLE TIES,GET WIRE, CHECK PRINT FOR MATING WIRE,SET UP CRIMPING TOOL,GET WIRES AND CUT TO LENGTH,STRIP COVER- INGS AND SHIELDS,GET AND INSTALL JUMPER,PLACE IN FERRULES,CRIMP FERRULES,DISMANTLE CRIMPING TOOL,TWIST WIRES,INSTALL SPLICE CAP AND CRIMP,REMOVE TOOL AND INSPECT SPLICE, INSTALL SHRINK CAP OVER SPLICE,FORM BUNDLE ALONG CLAMP ROUTE, TIE AND TAPE BUNDLE ENDS-WITH TIE TAPE CASE 01 MAKE FIRST OR SINGLE SPLICE 02 MAKE EACH ADDITIONAL SPLICE
NAA	72X	MAA	ACEAF61	SWHT103	3996	TUBING(SHRINK),GET,CUT AND INSTALL STARTS-WITH REACH TO GET TUBING INCLUDES-ALL THE MOTIONS NECESSARY TO GET TUB- ING AND SCISSORS,CUT TUBING,POSITION TO CABLE, GET HEATER,SHRINK TUBING,ASIDE TUBING,SCISSORS AND HEATER ENDS-WITH ASIDE TUBING CONDITIONS-GET AND ASIDE TUBING AND SCISSORS ONE TIME FOR TWO INSTALLATIONS-TUBING 18 INCHES LONG
FFH	72X	MAA	KERA1XX	SWHTPXX VARIABLE	513 468 491 981 1004	TUBING(VINYL),PREPARE AND INSTALL ON LEADS/ STUD STARTS-WITH REACH TO JAR OF TUBING INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND OPEN A JAR OF TUBING,REMOVE PIECE AND CUT TO DESIRED LENGTH,CLOSE AND ASIDE JAR,PICK UP PIECE OF TUBING,STRETCH AND PLACE ON LEADS OR STUD USING PLIERS ENDS-WITH ASIDE JAR OR PLIERS CASE 01 GET TUBING FROM JAR AND CUT 02 INSTALL ON SINGLE STUD COMPONENT 03 INSTALL ON BOTH LEADS OF AXIAL LEAD COMPONENT 04 PREPARE AND INSTALL-SINGLE STUD COMPONENT 05 PREPARE AND INSTALL-AXIAL LEAD COMPONENT



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	72X	MAA	SLAWNCX	SMMWAXX	VARIABLE	<p>WIRE, ATTACH TERMINAL AND CONNECT TO POST (SHIELDED WIRE)</p> <p>STARTS-WITH THERMAL GUN CORD(COILED) IN HAND</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO UNCOIL CORD, PLUG IN CORD, GET DIES, SET UP AND DISMANTLE CRIMPING TOOL, ASIDE DIES, REMOVE AND REPLACE TERMINAL STRIP COVER, LOCATE WIRE TO PROPER STUD, GET JUMPER FROM STOCK, CUT WIRE TO LENGTH, STRIP SHIELD COVERINGS AND SHIELD POSITION AND CRIMP FERRULE TO WIRE, TRIM EXCESS WIRE FROM FERRULE, GET AND CUT SHRINK SLEEVE TO SIZE, POSITION SLEEVE OVER FERRULE AND APPLY HEAT WITH THERMAL GUN, EXAMINE ASSEMBLY, INSTALL TERMINAL LUG TO WIRE AND JUMPER, CONNECT WIRE AND JUMPER TO STUD, REMOVE AND REPLACE STUD (NUT), FORM AND TIE BUNDLE (TWO CLAMPING LOCATIONS)</p> <p>ENDS-WITH TIE BUNDLE</p> <p>CONDITION-SHIELDED WIRE</p> <p>CASE 01 CONNECT FIRST OR SINGLE WIRE</p> <p>02 CONNECT EACH ADDITIONAL WIRE</p>
					16970	
					10220	
NAA	72X	MAA	ACEAF16	SMMWCXX	VARIABLE	<p>WIRE, CONNECT TO PIN WITH SOLDER</p> <p>STARTS-WITH CHECK BLUE PRINTS</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO CHECK BLUEPRINT FOR LOCATION, SELECT WIRE, GET WIRE FROM BUNDLE, STRAIGHTEN WIRE, STRIP END, TIN END OF WIRE, SELECT PIN, SOLDER WIRE TO PIN, CHECK SOLDER CONNECTION AND WIRE NUMBER</p> <p>ENDS-WITH INSPECT CONNECTION AND NUMBER</p> <p>CONDITIONS-APPLIES TO PIN SIZE NUMBERS 12 TO 24-DOES NOT INCLUDE GET, POSITION AND ASIDE BLUE PRINT-WIRE SIZE 16 TO 22, SOLID OR STRANDED. PENCIL TYPE SOLDERING IRON TO 50 WATTS</p> <p>CASE 01-EASY ACCESS TO PIN</p> <p>02-MODERATE ACCESS TO PIN</p> <p>03-ADD FOR TIME TO CHECK BLUE PRINTS FOR PIN LOCATION</p>
					1910	
					2330	
					100	
FFH	72X	MAA	KERWBAX	SMMWIXX	VARIABLE	<p>WIRE (BUS), INSTALL TO TWO TERMINALS</p> <p>STARTS-WITH REACH TO GET COIL OF WIRE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND UNCOIL WIRE, GRASP END, LOCATE FIRST TERMINAL, GET PLIERS AND WRAP LEAD AROUND TERMINAL, SOLDER WIRE TO TERMINAL, ASIDE IRON, LOCATE SECOND TERMINAL, DETERMINE ROUTING PATH, CUT WIRE TO LENGTH, ROUTE TO SECOND TERMINAL, WRAP EXCESS WIRE ON COIL, ASIDE COIL, PLACE END TO TERMINAL, GET PLIERS AND WRAP WIRE ON TERMINAL, GET SOLDERING AID, LIFT WIRES UP AND DOWN, DRESS LEAD, STRIP WIRE, SOLDER TO TERMINAL, DRESS WIRES AND COMPONENT, ASIDE PLIERS</p> <p>ENDS-WITH ASIDE PLIERS</p> <p>CONDITIONS-INSULATED BUS WIRE, SOLDER TO PIN/POST/EYELET TERMINAL-100 WATT IRON</p> <p>CASE 01 NORMAL ACCESS</p> <p>02 RESTRICTED ACCESS</p>
					4878	
					6313	
FFH	72X	MAA	KERMSAS	SMMWIO3	804	<p>WIRE, INSTALL AND SOLDER LEAD END INTO PIN TERMINAL ON PLUG/RECEPTACLE</p> <p>STARTS-WITH GET WIRE LEAD-CUTTERS</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO TIN PLUG TERMINAL, INSTALL AND SOLDER WIRE LEAD, CUT AND INSTALL SPAGHETTI</p> <p>ENDS-WITH ASIDE PLIERS</p> <p>CONDITIONS-SOLDER IRON AND WIRE LEAD ARE PRE-TINNED</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
FFH	72X	MAA	KERWSXX	SMHWPXX	TABLE	WIRE, PERPARE AND INSTALL STARTS-WITH REACH TO GET COIL OF WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND UNROLL COIL OF WIRE, STRIP BOTH ENDS, ROUTE WIRE FROM TERMINAL TO HARNESS AND FROM OTHER END OF HARNESS TO SECOND TERMINAL, SOLDER WIRE TO BOTH TERMINALS ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-12 TO 26 GAUGE WIRE-SOLDER TO PIN ON ONE END AND POST/EYELET TERMINAL ON OTHER- TO ROUTE WIRE ALONG HARNESS USE 72X SMHRW02  TYPE OF WIRE  STRANDED, NON- SHIELDED-INSULATED- BOTH ENDS TO POST/ EYELET TERMINAL  ONE END TO PIN AND OTHER TO POST/ EYELET TERMINAL  STRANDED-SHIELDED (FABRICATE GROUND LEAD FROM SHIELD) ONE END TO PIN AND OTHER TO POST/EYELET TERMINAL  ACCESS NORMAL RESTRICTED A B  A 4174 4410  B 4052 4170  C 6926 7044
NAA	72X	NBA	JCAWRSX	SMHWRXX	VARIABLE	WIRE, REPLACE STARTS-WITH REACH TO UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION UNIT FOR WORK, UNSOLDER AND REMOVE ONE WIRE, SELECT NEW WIRE, MEASURE AND CUT, FIT WIRE IN UNIT, CUT TO LENGTH, STRIP ENDS, TIN WIRE AND SOLDER IN PLACE ENDS-WITH ASIDE SOLDERING IRON CONDITIONS-NO TRAVEL TO GET WIRE AND PARTS IS INCLUDED-WIRE IN COILS CASE 01 REPLACE ONE WIRE CASE 02 REPLACE TWO TEST LEADS-INCLUDES REPLACING BUSHING OR GROMMET  5380 15160
NAA	72X	MAA	SLAWNXX	SMHWSXX	VARIABLE	WIRES, SPLICE (NON-SHIELDED WIRE) STARTS-WITH REACH TO CUTTING PLIERS INCLUDES-ALL THE MOTIONS NECESSARY TO GET PLIERS, CUT STRING TIE ON SPLICE BUNDLE, REMOVE TAPE FROM BUNDLE, REMOVE STRING, SELECT RANDOM WIRE FROM NEWLY INSTALLED BUNDLE, READ CODE NUMBER, CHECK PRINT FOR MATCHING WIRE, EXAMINE PRINT FOR SPLICE AREAS, READ WIRE NUMBER, GET CORRESPONDING WIRE TO BE SPLICED, GET DIAGONAL PLIERS AND CUT WIRES, ASIDE PLIERS, STRIP WIRES, HOLD WIRES TOGETHER AND APPLY SPLICE CAP, GET CRIMPING TOOL AND CRIMP SPLICE, MAKE SECOND SPLICE, DISENGAGE CRIMPER AND INSPECT SPLICE, INSTALL SHRINK SLEEVING OVER SPLICE, CLOSE SPLICE BUNDLE, TIE AND TAPE (FORM BUNDLE ALONG CLAMP ROUTE) ENDS-WITH TIE TAPE BUNDLE CONDITIONS-NON-SHIELDED WIRE CASE 01 MAKE FIRST OR SINGLE SPLICE CASE 02 MAKE ADDITIONAL SPLICE  17120 2910



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION																																																																																										
FFE	72X	MUA	GWHWSB2	SMHWS03	1031	WIRE,SPLICE(WITH SOLDER) STARTS=WITH REACH TO GET DYKES INCLUDES=ALL THE MOTIONS NECESSARY TO GET DYKES,TRIM OLD WIRE,GET NEW WIRE AND PLACE TO OLD,TWIST WIRE ENDS TOGETHER,CLIP ENDS,ASIDE DYKES,GET PLIERS,GRASP WIRE WITH PLIER TO SECURE,ASIDE WIRE AND PLIERS,GET SOLDERING IRON AND SOLDER,TIN IRON,TIN WIRE,SOLDER JOINT,APPLY INSULATION TO SPLICE,ASIDE TOOLS ENDS=WITH ASIDE TOOLS CONDITIONS=REPAIR OR LENGTHEN WIRE BY SPLICE WITH SOLDERED JOINT=12-26 GAGE WIRE																																																																																										
FFE	72X	MAA	GWHWSB1	SMHWS04	633	WIRE,SPLICE(SOLDERLESS) STARTS=WITH REACH TO DYKES INCLUDES=ALL THE MOTIONS NECESSARY TO GET DYKES AND CUT OLD WIRE,STRIP AND TWIST END,GET AND PLACE CONNECTOR ON OLD WIRE AND CRIMP, INSPECT,ASIDE PLIERS,GET AND PLACE WIRE END ON CONNECTOR,CRIMP CONNECTOR,INSPECT,ASIDE PLIERS ENDS=WITH PLIERS ASIDE CONDITIONS=REPAIR OR LENGTHEN WITH SOLDERLESS CONNECTION=12-26 GAGE WIRE																																																																																										
NAA	72X	TBA	OTLSEXX	SMHWUXX	TABLE	WIRE,SOLDER OR UNSOLDER,FROM/TO VARIOUS POINTS STARTS=WITH REACH TO SOLDERING IRON OR WIRE INCLUDES=ALL THE MOTIONS NECESSARY TO CLEAN TIP,SELECT WIRE OR TERMINAL,FORM HOOK AND/OR PLACE WIRE TO SOLDERING POINT,PLACE IRON TO SOLDERING POINT AND SOLDER;OR PLACE IRON TO WIRE OR TERMINAL,MELT SOLDER AND REMOVE WIRE OR TERMINAL ENDS=WITH ASIDE OF IRON AND WIRE OR TERMINAL CONDITIONS=SOLDERING IRON=CONTINUOUS HEATING TYPE,50 WATT RATING. SOLDER=COMBINATION OF 60-40 ROSIN CORE COILS. WIRE=16 TO 22 GAGE SOLID OR STRANDED COPPER WIRE. DOES NOT INCLUDE SEARCH AND SELECT TO LOCATE PARTICULAR WIRE IN BUNDLE OR PIN IN MULTI-PIN PLUG																																																																																										
						<table><tr><td></td><td colspan="2">SOLDER</td><td colspan="2">UNSOLDER</td></tr><tr><td></td><td>FIRST</td><td>ADD</td><td>FIRST</td><td>ADD</td></tr><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td></tr><tr><td>TIN OR RETIN WIRE</td><td>A</td><td>260</td><td>164</td><td></td></tr><tr><td>CLEAN PIN OR TERMINAL</td><td></td><td></td><td></td><td></td></tr><tr><td>HAND HELD PLUG</td><td>B</td><td>281</td><td>219</td><td>172</td></tr><tr><td>WISE HELD PLUG</td><td>C</td><td>230</td><td></td><td></td></tr><tr><td>CLEAN AND RESOLDER</td><td></td><td></td><td></td><td></td></tr><tr><td>JOINT ON TERMINAL</td><td></td><td></td><td></td><td></td></tr><tr><td>OR PIN</td><td>D</td><td>511</td><td>439</td><td></td></tr><tr><td>SOLDER WIRE TO PIN</td><td></td><td></td><td></td><td></td></tr><tr><td>IN CANNON PLUG OR</td><td></td><td></td><td></td><td></td></tr><tr><td>PRINTED CIRCUIT</td><td>E</td><td>563</td><td>508</td><td></td></tr><tr><td>WIRE TO/FROM</td><td></td><td></td><td></td><td></td></tr><tr><td>TERMINAL</td><td>F</td><td>544</td><td>465</td><td>102</td></tr><tr><td>WIRE TO/FROM</td><td></td><td></td><td></td><td></td></tr><tr><td>MULTIPLE CAPACITY</td><td></td><td></td><td></td><td></td></tr><tr><td>TURRET TERMINAL</td><td>G</td><td>514</td><td>735</td><td>517</td></tr></table>		SOLDER		UNSOLDER			FIRST	ADD	FIRST	ADD		A	B	C	D	TIN OR RETIN WIRE	A	260	164		CLEAN PIN OR TERMINAL					HAND HELD PLUG	B	281	219	172	WISE HELD PLUG	C	230			CLEAN AND RESOLDER					JOINT ON TERMINAL					OR PIN	D	511	439		SOLDER WIRE TO PIN					IN CANNON PLUG OR					PRINTED CIRCUIT	E	563	508		WIRE TO/FROM					TERMINAL	F	544	465	102	WIRE TO/FROM					MULTIPLE CAPACITY					TURRET TERMINAL	G	514	735	517
	SOLDER		UNSOLDER																																																																																													
	FIRST	ADD	FIRST	ADD																																																																																												
	A	B	C	D																																																																																												
TIN OR RETIN WIRE	A	260	164																																																																																													
CLEAN PIN OR TERMINAL																																																																																																
HAND HELD PLUG	B	281	219	172																																																																																												
WISE HELD PLUG	C	230																																																																																														
CLEAN AND RESOLDER																																																																																																
JOINT ON TERMINAL																																																																																																
OR PIN	D	511	439																																																																																													
SOLDER WIRE TO PIN																																																																																																
IN CANNON PLUG OR																																																																																																
PRINTED CIRCUIT	E	563	508																																																																																													
WIRE TO/FROM																																																																																																
TERMINAL	F	544	465	102																																																																																												
WIRE TO/FROM																																																																																																
MULTIPLE CAPACITY																																																																																																
TURRET TERMINAL	G	514	735	517																																																																																												
FFD	720	MAA	KERKS89	SACDS01	51	DRIVE(MECHANICAL=RECORDER SPEED),SET OR RESET STARTS=WITH REACH TO LEVER INCLUDES=ALL THE MOTIONS NECESSARY TO CHANGE SPEED CONTROL LEVER FROM ONE POSITION TO ANOTHER ENDS=WITH RELEASE LEVER CONDITIONS=LIMITED TO MULTI-SPEED=MECHANICAL= DROPLATCH TYPE RECORDER																																																																																										



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	721	MAA	GCLCHA6	SCLCP01	486	COMMUTATOR, POLISH AND CLEAN WITH CROCUS CLOTH STARTS=WITH REACH TO ARMATURE OR CROCUS CLOTH INCLUDES=ALL THE MOTIONS NECESSARY TO OBTAIN ARMATURE AND CROCUS CLOTH, POLISH AND INSPECT COMMUTATOR AND ASIDE ENDS=WITH ARMATURE ASIDE CONDITIONS=APPLICABLE TO ARMATURES UP TO 10 POUNDS, HELD IN HAND-CLEANED WITH NINE STROKES OF CROCUS CLOTH ACROSS SURFACE
FFH	721	MAA	KERAMXX	SCLSCXX	VARIABLE	COMMUTATOR (STATOR AND ARMATURE), CLEAN WITH ERASER AND AIR STARTS=WITH REACH TO GET PART INCLUDES=ALL THE MOTIONS NECESSARY TO POSITION AND POLISH A STATOR COMMUTATOR WITH A RUBBER ERASER AND CLEAN WITH AIR ENDS=WITH ASIDE PART CASE 01 COMMUTATOR (STATOR)=1.5 INCHES DIAMETER 02 COMMUTATOR (ARMATURE)=1 INCH DIAMETER
NAA	721	MAA	SRECRSD	MDABP01	1290	BEARING, PRESS OUT STARTS=WITH REACH TO BLOCKS INCLUDES=ALL THE MOTIONS NECESSARY TO POSITION BLOCKS, GET ARMATURE AND POSITION IN BLOCKS, PRESS OUT BEARING WITH ARBOR PRESS ENDS=WITH RELEASE PRESS HANDLE
NAA	721	MAA	SRECRS1	MDACR01	2190	COVER (MOTOR END), REMOVE STARTS=WITH REACH TO GET MOTOR INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND POSITION MOTOR ON BENCH, GET TOOL AND REMOVE TWO SCREWS, REPOSITION MOTOR, REMOVE AND ASIDE COVER ENDS=WITH ASIDE COVER
NAA	721	MAA	SRECXXX	SDAARXX	VARIABLE	ARMATURE, REPLACE STARTS=WITH REACH TO GET TOOL/HOUSING INCLUDES ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE RETAINER SCREWS (TWO), TAP OUT ARMA- TURE AND PLATE WITH HAMMER, ASIDE STATOR, TAP ARMATURE OUT OF PLATE, REMOVE PLATE FROM STATOR AND REMOVE AND ASIDE END PLATE, ASIDE STATOR REACH AND GET HOUSING, GET AND POSITION ARMA- TURE IN HOUSING, INSTALL TWO SHIMS, REPOSITION MOTOR, INSTALL END PLATES, INSTALL TWO SCREWS IN END PLATES, SEAT PLATES WITH FOUR OUNCE HAMMER, ASIDE HAMMER ENDS=WITH ASIDE HAMMER (INSTALL) OR ASIDE STATOR (REMOVE AND REPLACE) CASE 01 REMOVE ARMATURE 02 INSTALL ARMATURE 03 REPLACE ARMATURE
NAA	721	MAA	SHECNSX	SDABIXX	VARIABLE	BEARING (MOTOR), INSTALL STARTS=WITH REACH TO GET ARMATURE BLOCKS INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND POSITION BLOCK, GET AND POSITION ARMATURE IN BLOCKS, GET AND OPEN BEARING PACKAGE, REMOVE BEARING FROM PACKAGE, POSITION BEARING AND PRESS ON, INSTALL SLINGER, REPOSITION MOTOR TO ARMATURE ENDS=WITH MOTOR REPOSITIONED CASE 01 DIFFICULT INSTALLATION 02 EASY INSTALLATION=DOES NOT INCLUDE GETTING BLOCKS AND POSITIONING ARMATURE IN BLOCKS=HAND INSTALLATION



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWNERS ELEMENT	TMD VALUE	OPERATION ELEMENT DESCRIPTION																												
NAA	721	MAA	SRECRSE	SDABPO1	1660	BEARING,PRESS OUT AND REMOVE SLINGER STARTS-WITH REACH TO BLOCKS INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION BLOCKS,GET AND POSITION ARMATURE IN BLOCKS,PRESS OUT BEARING WITH MANUAL ARBOR PRESS,REMOVE SLINGER,ASIDE BEARING AND ARMATURE ENDS-WITH ASIDE BEARING AND ARMATURE CONDITION-ARBOR PRESS																												
NAA	721	MAA	SRECRXX	SDABRXX	TABLE	BRUSHES,REPLACE STARTS-WITH REACH TO BRUSH CAP OR TOOL OR TO NEW BRUSH PACKAGE INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE BRUSH CAP OR PLUG,REPOSITION UNIT TO REMOVE BRUSHES AS REQUIRED,ASIDE CAP/PLUG,ASIDE BRUSHES,ASIDE TOOL AS REQUIRED(REMOVE);REACH TO BRUSH PACKAGE(NEW BRUSHES),OPEN PACKAGE AND REMOVE BRUSHES,ASIDE PACKAGE,POSITION UNIT, POSITION BRUSHES IN BRUSH HOLDERS AND INSTALL CAP OR PLUG ON HOLDER(INSTALL) ENDS-WITH CAP/PLUG REMOVED OR INSTALLED AND TOOL ASIDE WHEN REQUIRED <table><tr><th>NUMBER BRUSHES</th><th>REMOVE A</th><th>INSTALL B</th><th>REPLACE C</th></tr><tr><td>TWO BRUSHES-CAP FINGER TIGHT</td><td>A 810</td><td>1600</td><td>2410</td></tr><tr><td>FOUR BRUSHES-CAP FINGER TIGHT</td><td>B 1650</td><td>3200</td><td>4850</td></tr><tr><td>SIX BRUSHES-CAP FINGER TIGHT</td><td>C 2490</td><td>4800</td><td>7290</td></tr><tr><td>TWO BRUSHES-PLUG WITH SCREWDRIVER</td><td>D 2290</td><td>3280</td><td>5570</td></tr><tr><td>FOUR BRUSHES-PLUG WITH SCREWDRIVER</td><td>E 4430</td><td>6560</td><td>10990</td></tr><tr><td>SIX BRUSHES-PLUG WITH SCREWDRIVER</td><td>F 6750</td><td>9840</td><td>16590</td></tr></table>	NUMBER BRUSHES	REMOVE A	INSTALL B	REPLACE C	TWO BRUSHES-CAP FINGER TIGHT	A 810	1600	2410	FOUR BRUSHES-CAP FINGER TIGHT	B 1650	3200	4850	SIX BRUSHES-CAP FINGER TIGHT	C 2490	4800	7290	TWO BRUSHES-PLUG WITH SCREWDRIVER	D 2290	3280	5570	FOUR BRUSHES-PLUG WITH SCREWDRIVER	E 4430	6560	10990	SIX BRUSHES-PLUG WITH SCREWDRIVER	F 6750	9840	16590
NUMBER BRUSHES	REMOVE A	INSTALL B	REPLACE C																															
TWO BRUSHES-CAP FINGER TIGHT	A 810	1600	2410																															
FOUR BRUSHES-CAP FINGER TIGHT	B 1650	3200	4850																															
SIX BRUSHES-CAP FINGER TIGHT	C 2490	4800	7290																															
TWO BRUSHES-PLUG WITH SCREWDRIVER	D 2290	3280	5570																															
FOUR BRUSHES-PLUG WITH SCREWDRIVER	E 4430	6560	10990																															
SIX BRUSHES-PLUG WITH SCREWDRIVER	F 6750	9840	16590																															
NAA	721	MAA	SRECNLM	SDACIXX	VARIABLE	COVER(MOTOR),INSTALL STARTS-WITH REACH TO GET COVER INCLUDES-ALL THE MOTIONS NECESSARY TO GET COVER,ALIGN AND POSITION TO ATTACHING POINTS, GET TOOL,TIGHTEN SCREWS TO SECURE COVER,ASIDE TOOL ENDS-WITH ASIDE TOOL CONDITIONS-COVER WEIGHS 10-30 POUNDS CASE 01 SECURE WITH TWO SCREWS CASE 02 SECURE WITH FOUR SCREWS <table><tr><td>1430</td></tr><tr><td>2600</td></tr></table>	1430	2600																										
1430																																		
2600																																		
NAA	721	MAA	AIRSRO1	SDAGRO1	13500	GEAR TRAIN(SYNCHRO),REPLACE STARTS-WITH REACH TO UNIT INCLUDES-ALL THE MOTIONS NECESSARY TO GET SYNCHRO OR POTENTIOMETER AND POSITION FOR WORK,REMOVE BUNDLE TIE,POSITION GEAR TRAIN, LOOSEN GEAR CLAMP OR SET SCREW,REMOVE RIM MOUNTING SCREWS,REMOVE GEAR FROM SHAFT,REMOVE SYNCHRO FROM GEAR PLATE,POSITION GEAR TRAIN ASSEMBLY,POSITION SYNCHRO TO GEAR PLATE, INSTALL GEAR TO SHAFT,INSTALL RIM MOUNTING CLAMP SCREWS,INSTALL GEAR CLAMP,TIE WIRES TO BUNDLE ENDS-WITH WIRES TIED TO BUNDLE CONDITIONS-SIX BUNDLE TIES REQUIRED-SET WEIGHTS TO THREE POUNDS-INSTALL/REMOVE ELECTRICAL WIRES NOT INCLUDED																												



OFFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	721	MAA	SRECRSF	SDAMD01	1796	MOTOR, DISASSEMBLE (TRU-ARC RING) STARTS-WITH REACH TO GET MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE MOTOR IN VISE, DRIVE OUT WORM GEAR PIN, REMOVE WORM GEAR, GET PLIERS AND REMOVE TRU-ARC RING, REMOVE AND ASIDE ARMATURE, REMOVE AND ASIDE BEARINGS (TWO) FROM ARMATURE ENDS-WITH ASIDE BEARINGS CONDITIONS-MOTOR WEIGHS TO 20 POUNDS
NAA	721	MAA	SRECRSG	SDAMD02	4236	MOTOR, DISASSEMBLE (THREE SCREWS AND COVER) STARTS-WITH REACH TO MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE MOTOR IN VISE, DRIVE OUT WORM GEAR PIN, REMOVE AND ASIDE WORM GEAR, GET TOOL AND REMOVE THREE SCREWS, REMOVE AND ASIDE COVER, REMOVE AND ASIDE ARMATURE AND BEARINGS ENDS-WITH ASIDE BEARINGS CONDITIONS-MOTOR WEIGHS TO 20 POUNDS
NAA	721	MAA	SRECRSH	SDAMD03	8360	MOTOR (RESOLVER), DISASSEMBLE STARTS-WITH REACH TO GET MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE MOTOR IN VISE, REMOVE AND ASIDE GROMMET, REMOVE THREE COVER SCREWS AND ASIDE, REMOVE AND ASIDE BACK COVER, THREE BRUSH CASE SCREWS, BRUSH CASE AND ARMATURE, REMOVE AND ASIDE BAG FROM ARMATURE, SNAP RING, COVER, BEARING AND SHIM ENDS-WITH ASIDE SHIM CONDITIONS-MOTOR WEIGHS TO 20 POUNDS
NAA	721	MAA	SRECNXX	SDAMMXX	VARIABLE	MOTOR (ELECTRIC), MOUNT AND HOOK UP STARTS-WITH REACH TO TAG ON MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND REMOVE TAG, GET AND POSITION MOTOR FOR MOUNTING, GET TOOL AND SCREWS, INSTALL SCREWS, ASIDE TOOL, GET CUTTING PLIERS AND WIRE LEADS, CUT LEADS TO LENGTH, ASIDE PLIERS AND WIRES, GET TOOL AND WIRES, STRIP LEADS, GET SOLDERING IRON, TIN LEADS, SOLDER LEADS TO CONNECTOR, ASIDE LEADS ENDS-WITH ASIDE SOLDERING IRON CASE 01 MOUNT WITH FOUR SCREWS-HOOK UP THREE LEADS-SIMPLE INSTALLATION 02 MOUNT WITH FOUR SCREWS-HOOK UP THREE LEADS-COMPLEX INSTALLATION (RESTRICTED ACCESS)
NAA	721	MAA	AIRMRO1	SDAMRO1	9160	MOTOR (OR MOTOR GENERATOR), REPLACE TO GEAR PLATE STARTS-WITH REACH TO UNIT INCLUDES-ALL MOTIONS NECESSARY TO POSITION UNIT, REMOVE BUNDLE TIE, REMOVE RIM MOUNTING SCREWS, REMOVE MOTOR GENERATOR FROM PLATE; POSITION MOTOR GENERATOR TO PLATE, INSTALL RIM MOUNTING SCREWS AND TIE WIRES TO BUNDLE ENDS-WITH WIRES TIED TO BUNDLE CONDITIONS-ONE BUNDLE TIE



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	721	MAA	AIRMP02	SDAMR02	10960	<p>MOTOR, REPAIR</p> <p>STARTS-WITH REACH TO TRU ARC PLIERS</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO REMOVE TRU ARC RINGS, REMOVE COVERS, REMOVE BEARING SHIMS, REMOVE BEARING FRONT, REMOVE ROTOR, REMOVE BEARING FROM ROTOR SHAFT, ASIDE BEARINGS TO JAR; CLEAN AND EXAMINE PARTS; GET BEARINGS FROM SHOP, OBTAIN BEARINGS FROM JAR, INSTALL BEARING IN HOUSING, INSTALL BEARING SHIMS, INSTALL COVER, INSTALL TRU ARC RING, CHECK END PLAY, REMOVE TRU ARC RING, REMOVE COVER, REMOVE OR ADD SHIM, INSTALL COVER, INSTALL TRU ARC RING, CHECK END PLAY, ROTATE SHAFT TO CHECK FREEDOM</p> <p>ENDS-WITH ROTATE FREEDOM CHECKED</p> <p>CONDITIONS-NO ELECTRICAL HOOK UP OR DISCONNECT INCLUDED-NO WALK TO GET PARTS INCLUDED-WEIGHT TO THREE POUNDS-COVER AND ARMATURE SECURED WITH SNAP RING</p>
NAA	721	MBA	AIRMRO3	SDAMR03	24560	<p>MOTOR, REPLACE</p> <p>STARTS-WITH REACH TO LEAD TIES</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE LEAD TIES, UNSOLDER LEADS, GET AND ASIDE VISE, POSITION GEAR TRAIN ASSEMBLY, INSTALL CONNECTOR IN VISE, GET AND ASIDE TWEEZERS, CHECK LEAD ROUTING, REMOVE SLEEVES FROM TERMINAL, UNSOLDER LEADS, REMOVE EXCESS SOLDER, REMOVE SLEEVE FROM LEADS, ASIDE MOTOR; OBTAIN AND UNWRAP NEW PART, SOLDER LEADS TO TERMINALS, GET UNIT, INSTALL CONNECTOR IN VISE, MEASURE LEADS TO LENGTH, CUT TO LENGTH, STRIP LEADS, TIN LEADS, INSTALL SLEEVES ON LEADS, CHECK WIRING DIAGRAM, SEARCH AND SELECT WIRES, SOLDER TO TERMINALS, INSTALL SLEEVES OVER TERMINALS, ASIDE UNIT, TIE LEADS TO BUNDLE</p> <p>ENDS-WITH LEADS TIED TO BUNDLE</p> <p>CONDITIONS-SIX TIES REQUIRED-SOLDER/UNSOLDER FOUR LEADS-SET WEIGHS TO THREE POUNDS</p>
NAA	721	MAA	AIRMP01	SDAMR04	22090	<p>MOTOR(GENERATOR), REPAIR(DISASSEMBLE, CLEAN, EXAMINE, AND ASSEMBLE)</p> <p>STARTS-WITH MOTOR GENERATOR IN POSITION FOR DISASSEMBLY</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO REMOVE DUST CAP AND REAR COVER, REMOVE SHIMS, REMOVE LOCKING RING, REMOVE ROTOR, ASIDE BEARING INSERT AND REAR CAP, REMOVE BEARING FROM ROTOR, PULL STATOR LEADS THROUGH HOUSING, AND REMOVE STATOR FROM CASE; CLEAN PARTS; EXAMINE PARTS; AND ROUTE STATOR LEADS THROUGH HOUSING, INSTALL STATOR, INSTALL BEARING IN HOUSING, CHECK ROTOR BEARING FIT, INSTALL BEARING TO ROTOR, INSTALL ROTOR, INSTALL REAR CAP, INSTALL LOCKING RING, INSTALL INSERT, INSTALL SHIM, INSTALL REAR COVER, CHECK END PLAY, REMOVE COVER, REPLACE SHIM, AND REPLACE COVER</p> <p>ENDS-WITH INSTALL DUST CAP</p> <p>CONDITIONS-UNIT WEIGHS TO THREE POUNDS-NO ELECTRICAL HOOK UP OR DISCONNECT INCLUDED-NO WALK TO GET PARTS INCLUDED-COVER SECURED WITH SNAP RING-ARMATURE SECURED WITH SCREWS</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SYMBOL	QUALITY STANDARD	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION	
NAA	721	MBA	AIRMRO2	SDAMRO5	37140	<p>MOTOR(GENERATOR),REPLACE</p> <p>STARTS-WITH REACH TO LEAD TIES</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE LEAD TIES,UNSOLDER LEADS,GET AND ASIDE VISE, POSITION GEAR TRAIN ASSEMBLY,INSTALL CONNECTION IN VISE,GET AND ASIDE TWEEZERS,CHECK ROUTING OF LEAD,REMOVE SLEEVES FROM TERMINAL, UNSOLDER LEADS,REMOVE EXCESS SOLDER,REMOVE SLEEVE FROM LEADS,ASIDE MOTOR GENERATOR;OBTAIN REPLACEMENT PART AND REMOVE FROM WRAPPING; SOLDER LEADS TO TERMINAL,GET UNIT,INSTALL CONNECTOR IN VISE,MEASURE LEADS TO LENGTH,CUT TO LENGTH,STRIP LEADS,TIN LEADS,INSTALL SLEEVES ON LEADS,CHECK WIRING DIAGRAM,SEARCH AND SELECT LEADS,SOLDER TO TERMINALS,INSTALL SLEEVES OVER TERMINALS,ASIDE UNIT AND TIE LEADS TO BUNDLE</p> <p>ENDS-WITH LEADS TIED</p> <p>CONDITIONS-SIX BUNDLE TIES REQUIRED-SOLDER/UNSOLDER EIGHT LEADS-SET WEIGHTS TO THREE POUNDS</p>
NAA	721	MAA	AIRSP01	SDARS01	18340	<p>SYNCHRO,REPAIR</p> <p>STARTS-WITH REACH TO SYNCHRO</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET SYNCHRO AND POSITION FOR WORK,REMOVE LOCKING RING NUT,REMOVE ROTOR END BELL,REMOVE END BELL FROM ROTOR,REMOVE BEARING FROM END BELL,REMOVE SPRING WASHER AND SPACER,OBTAIN AND ASIDE PULLER,POSITION PULLER TO BEARING,TIGHTEN PULLER SCREW,DISENGAGE BEARING FROM HOUSING, LOOSEN PULLER SCREW,OPEN AND CLOSE JAR,ASIDE BEARINGS,CLEAN PARTS,DRESS SLIP RINGS,EXAMINE HOUSING,ROTOR AND SLIP RINGS,EXAMINE END CAP, BRUSHES AND WASHERS;GET BEARING FROM SHOP, REMOVE BEARING FROM JAR,INSTALL BEARING IN HOUSING AND STATOR ASSEMBLY,INSTALL BEARING IN REAR HOUSING,INSTALL SPRING WASHER AND SPACER, DRESS BRUSHES,ALIGN BRUSHES,POSITION AND ALIGN PLATE AND BRUSHES TO ROTOR,CHECK SEATING OF BRUSHES AND BEARING,INSTALL ROTOR TO HOUSING AND STATOR ASSEMBLY,INSTALL LOCKING RIM NUT, CHECK END PLAY AND FREEDOM OF MOVEMENT</p> <p>ENDS-WITH FREEDOM OF MOVEMENT CHECKED</p> <p>CONDITIONS-TIME ALLOWED REFLECTS OCCURRENCE OF 0.10 TO OBTAIN BEARING-DOES NOT INCLUDE WALKING TO GET BEARINGS AND RETURN</p>
NAA	721	MBA	AIRSR02	SDARS02	29450	<p>SYNCHRO,REPLACE</p> <p>STARTS-WITH REACH TO TIES</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE TIES,UNSOLDER LEADS,GET AND ASIDE VISE, POSITION ASSEMBLY,INSTALL CONNECTOR IN VISE, GET AND ASIDE TWEEZERS,CHECK LEAD ROUTING, REMOVE SLEEVE FROM TERMINAL,UNSOLDER LEADS, REMOVE EXCESS SOLDER,REMOVE SLEEVES FROM LEADS,ASIDE SYNCHRO;OBTAIN NEW COMPONENT PART AND REMOVE FROM WRAPPING;SOLDER LEADS TO TERMINALS,GET SYNCHRO,INSTALL CONNECTOR IN VISE,MEASURE LEAD TO LENGTH,CUT TO LENGTH, STRIP LEADS,TIN LEADS,INSTALL SLEEVES ON LEADS,CHECK WIRING DIAGRAM,SEARCH AND SELECT LEADS,SOLDER TO TERMINALS,ASIDE UNIT,AND TIE LEADS TO BUNDLE</p> <p>ENDS-WITH LEADS TIED TO BUNDLE</p> <p>CONDITIONS-TIE/UNTIE BUNDLE SIX TIMES-UNIT WEIGHTS UP TO THREE POUNDS-SOLDER/UNSOLDER FIVE LEADS</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	721	MAA	SRECNSX	SDASRXX	VARIABLE	SHIM, REPLACE ON ARMATURE STARTS-WITH REACH TO GET MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE MOTOR IN VICE, REMOVE ARMATURE HOLDER, REMOVE ARMATURE, BEARING AND SHIM, GET, MEASURE AND SELECT SHIM, ASIDE IMPROPER SHIM, INSTALL SHIM ON ARMATURE, INSTALL BEARING ON ARMATURE, REPLACE ARMATURE IN MOTOR AND SECURE ENDS-WITH ASIDE TOOL CONDITIONS-MOTOR WEIGHS LESS THAN 20 POUNDS CASE 01 ARMATURE SECURED WITH TRU-ARC RING 02 ARMATURE SECURED WITH THREE SCREWS
					4420 9450	
NAA	721	MAA	SRECNSI	SDAUA01	11870	UNIT(MOTOR/GENERATOR), ASSEMBLE STARTS-WITH REACH TO GET BEARING(TWO PACKAGES) INCLUDES-ALL THE MOTIONS NECESSARY TO GET A PACKAGE OF BEARINGS, OPEN PACKAGE, GET BEARINGS, INSTALL BEARINGS IN END PLATE, INSTALL SNAP RING, INSTALL BEARING ON ARMATURE, INSTALL SHIM, GET AND INSTALL MOTOR HOUSING IN VISE, GET AND PLACE ARMATURE IN CASE, INSTALL BRUSH CASE, ALIGN BRUSHES, INSTALL WITH THREE SCREWS, IN- STALL GROMMET, GET AND POSITION COVER SECURE WITH THREE SCREWS ENDS-WITH COVER SECURED
FFE	721	MAA	OIGGFXX	MITBCXX	VARIABLE	BEARINGS(MOTOR), CHECK FIT TO CAP AND HOUSING STARTS-WITH GET ASSEMBLED ROTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET ROTOR, CAP AND HOUSING, POSITION ON WORK AREA, CHECK BEARING FIT OF CAP AND HOUSING, GET HAMMER AND SEAT CAP, ASIDE HAMMER, PLACE HOUSING ASIDE, SEPARATE CAP AND ROTOR, CAP AND ROTOR PLACED ASIDE ENDS-WITH SIMO ASIDE CAP AND ROTOR CASE 01 MEDIUM MOTOR 02 LARGE MOTOR
					1351 1500	
FFE	721	MAA	OIGGF01	MITBC03	621	BEARING(SMALL MOTOR), CHECK FIT TO HOUSING(BOTH ENDS) STARTS-WITH REACH TO PART INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE PART IN FRONT OF OPERATOR, GET BEARINGS AND PLACE TO BORE(BOTH ENDS), PRESS BEARINGS TO SEAT, GET PIN AND PUSH BEARINGS OUT OF HOLE, PLACE ASIDE PIN AND BEARINGS, ASIDE HOUSING ENDS-WITH FIT CHECKED, PART(HOUSING) ASIDE
FFE	721	MAA	GITBSA3	MITTI01	122	TENSION(BRUSH SPRING), INSPECT AND TEST STARTS-WITH PLACE SCALE HOOK TO SPRING INCLUDES-ALL THE MOTIONS NECESSARY TO HOOK AND RAISE BRUSH SPRING WITH SCALE HOOK, READ SCALE TO DETERMINE TENSION OF SPRING, UNHOOK SCALE HOOK FROM SPRING HOUSING ENDS-WITH SCALE HOOK REMOVED FROM SPRING HOUSING
FFE	721	MAA	GITGMAI	SITAC01	685	ARMATURE, CHECK WITH GROWLER STARTS-WITH REACH TO ARMATURE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE ARMATURE ON GROWLER, MAKE CHECK FOR SHORTED BARS, GET AND ASIDE ARMATURE ENDS-WITH ARMATURE ASIDE CONDITIONS-WEIGHT FACTOR OF 20 POUNDS USED-SET UP AND DISMANTLE GROWLER NOT INCLUDED-FIGURE CHECKS-FIGURE ON AND OFF FIGURE TIME



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	UCCUP- ATION	QUALITY	SOURCE CODE	OWMSTD ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	721	MAA	SRECZS1	SITAC02	8160	<p>ARMATURE,CHECK AND STRAIGHTEN  STARTS-WITH REACH TO GET TEST BEARINGS  INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND  POSITION TEST BEARINGS TO ARMATURE,POSITION-V  BLOCKS,POSITION ARMATURE IN BLOCKS,ADJUST  INDICATOR DIAL TO ARMATURE,ROTATE ARMATURE AND  OBSERVE DIAL(BEFORE AND AFTER STRAIGHTEN),RE-  MOVE ARMATURE FROM DIAL INDICATOR AND POSITION  ON MICARTA BLOCK,TAP ARMATURE WITH HAMMER,  REMOVE TEST BEARINGS AND ASIDE,ASIDE ARMATURE  ON BENCH  ENDS-WITH ASIDE ARMATURE  CONDITIONS-UNIT WEIGHS TO THREE POUNDS</p>
NAA	721	MAA	SCROISX	SITBEXX VARIABLE	<p>2970  3970  8970  6310  12650  18990</p>	<p>BRUSHES,EXAMINE  STARTS-WITH REACH TO BRUSH CAP OR PLUG OR TO  GET TOOL  INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE  BRUSH FASTENER,REMOVE BRUSHES,VISUALLY EXAMINE  BRUSHES, AND REPIACE BRUSHES AND FASTENERS  ENDS-WITH FASTENER REPLACED ON ASIDE TOOL  CASE 01 EXAMINE TWO BRUSHES-CAP FINGER TIGHT  02 EXAMINE FOUR BRUSHES-CAP FINGER TIGHT  03 EXAMINE SIX BRUSHES-CAP FINGER TIGHT  04 EXAMINE TWO BRUSHES-PLUGS REMOVED AND  INSTALLED WITH SCREWDRIVER  05 EXAMINE FOUR BRUSHES-PLUGS REMOVED AND  INSTALLED WITH SCREWDRIVER  06 EXAMINE SIX BRUSHES-PLUGS REMOVED AND  INSTALLED WITH SCREWDRIVER</p>
FFE	721	MAA	GITCCAX	SITCCXX VARIABLE	<p>620  567  570</p>	<p>CONCENTRICITY(ARMATURE),CHECK WITH DIAL  INDICATOR  STARTS-WITH REACH TO ARMATURE  INCLUDES-ALL THE MOTIONS NECESSARY TO GET  ARMATURE AND POSITION IN FIXTURE,ADJUST DIAL  INDICATOR,GAUGE CONCENTRICITY,REMOVE AND  ASIDE GAUGE,ASIDE ARMATURE  ENDS-WITH ARMATURE ASIDE  CONDITIONS-PART WITH BOTH ENDS CENTERED-WEIGHS  2-1/2 TO 10 POUNDS  CASE 01 GAUGE FIRST SURFACE ON FIRST END  02 GAUGE FIRST SURFACE ON SECOND END  03 GAUGE SECOND SURFACE ON FIRST END</p>
NAA	721	MIA	SRECIS1	SITECO1	6310	<p>END PLAY(ARMATURE),CHECK  STARTS-WITH REACH TO GET MOTOR  INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND  PLACE MOTOR IN TEST FIXTURE,TIGHTEN CLAMPS AND  CHUCK,ADJUST WEIGHT SCALE,TIGHTEN CLAMP,TURN  LIGHT ON AND OFF,ALIGN INDICATOR TO ZERO,  DETERMINE END PLAY,RELEASE SCALE CLAMP,ADJUST  SCALE(OPPOSITE DIRECTION),TIGHTEN CLAMP,ALIGN  INDICATOR TO ZERO,DETERMINE END PLAY,RELEASE  CLAMPS AND CHUCK,REMOVE CLAMPS,REMOVE AND  ASIDE MOTOR  ENDS-WITH ASIDE MOTOR  CONDITIONS-DOES NOT INCLUDE MAINTENANCE AND  FROM TEST AREA</p>
NAA	721	MAA	SRFQ02	SITMCO1	6470	<p>MAGNET(ARMATURE),CHARGE  STARTS-WITH REACH TO ARMATURE MAGNET  INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE  MAGNET,GET PERMANENT MAGNET FROM DRAWER,CLOSE  DRAWER,POSITION MAGNETS TOGETHER,DETERMINE  POLARITIES AND MARK,REPOSITION MAGNETS AND  ASIDE PERMANENT MAGNET,PLUG IN CHARGING  MACHINE,TURN ON,SELECT CHARGING VOLTAGE,  POSITION MAGNET,MATCH POLARITIES,ACTUATE  ENERGIZE AND CHARGE SWITCHES SIX TIMES,TURN  OFF AND UNPLUG MACHINE,REINSTALL MAGNET ON  ARMATURE  ENDS-WITH MAGNET INSTALLED ON ARMATURE</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	721	MAA	SRECQS1	SITMD01	6090	MAGNET(ARMATURE), DEMAGNETIZE STARTS-WITH REACH TO GET DEMAGNETIZER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLUG IN DEMAGNETIZER, TURN ON, SET METER RANGE SWITCH, CLIP LEADS TO PROBES, POSITION TEST PROBES AND ADJUST DEMAGNETIZER VOLTAGE, ACTUATE "APPLY VOLTAGE" BUTTON TWO TIMES, READ METER TWO TIMES, POSITION TEST PROBES, ADJUST VOLTAGE ACTUATE "APPLY VOLTAGE" BUTTON AND READ METER TWO TIMES, TURN OFF AND UNPLUG DEMAGNETIZER, ASIDE DEMAGNETIZER ENDS-WITH ASIDE DEMAGNETIZER CONDITIONS-DEMAGNETIZER WEIGHS TO 10 POUNDS- DOES NOT INCLUDE WALKING TO AND FROM TEST AREA
NAA	721	MAA	SPECTLX	SITMTXX VARIABLE	4450 7420	MOTOR(ELECTRIC), TEST STARTS-WITH REACH TO GET SOLDERING IRON INCLUDES-ALL THE MOTIONS NECESSARY TO GET SOLDERING IRON, UNSOLDER LEADS, ASIDE IRON, GET TOOL, REMOVE MOUNTING SCREWS, DISENGAGE AND ASIDE MOTOR, CONNECT TEST LEADS TO MOTOR, APPLY POWER, RUN MOTOR, REVERSE DIRECTION, RUN MOTOR, POWER OFF AND DISCONNECT LEADS, ASIDE LEADS ENDS-WITH ASIDE LEADS CASE 01 SIMPLE REMOVAL-THREE LEADS-FOUR SCREWS 02 COMPLEX REMOVAL-REMOVAL OF TERMINAL SHIELD REQUIRED-THREE LEADS AND FOUR MOUNTING SCREWS
PFF	721	MAA	GITBSAX	SIFSIXX VARIABLE	296 1270	SEATING(BRUSH), INSPECT AND TEST STARTS-WITH REACH TO GET TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL AND REMOVE BRUSH FROM SEAT, VISUAL CHECK SEAT- ING AND REPLACE BRUSH ENDS-WITH ASIDE TOOL CASE 01 SPRING HELD 02 SCREW CAP HELD
FFE	721	MAA	GITCCA4	MSUBA01	195	BLOCK("V" AND DIAL INDICATOR), ADJUST STARTS-WITH REACH TO SLIDING V BLOCK INCLUDES-ALL THE MOTIONS NECESSARY TO SLIDE V BLOCK ON MOUNT, ADJUST TO POSITION, REACH TO GAUGE, LOOSEN NUT, MOVE GAUGE INTO POSITION, TIGHTEN NUT ENDS-WITH NUT TIGHTENED AND RELEASED CONDITIONS-APPLIES TO ADJUSTMENT FOR ARMATURE OF DIFFERENT SIZE THAN PRIOR ARMATURE
FFE	721	MAA	GITCCA5	SSUDS01	637	DIAL(INDICATOR), SET UP AND DISMANTLE TO/FROM V BLOCK STARTS-WITH REACH TO DIAL GAUGE CASE LATCH INCLUDES-ALL THE MOTIONS NECESSARY TO OPEN CASE, REMOVE GAUGE, GET AND MOUNT ROD IN V BLOCK AND TIGHTEN NUT, GET AND PLACE DIAL ON ROD, TIGHTEN NUT, CLOSE CASE LID, ASIDE CASE, GET AND POSITION CASE, OPEN LID, REMOVE DIAL FROM ROD AND ROD FROM V BLOCK, PLACE IN CASE, CLOSE LID AND LATCH CASE ENDS-WITH CASE CLOSED AND LATCHED AND ASIDE
FFE	726	MAA	ILMB8DA	SDACRXX VARIABLE	10245 10365	CIRCUIT(PIECE), REMOVE FROM PRINTED CIRCUIT BOARD STARTS-WITH REACH TO GET SPONGE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND CUT SPONGE, PLACE SPONGE ON BOARD, DROP SOFTENER ON SPONGE, PLACE SPONGE TO SOFTEN ENCAPSULANT, GET ORANGE OR BOXWOOD STICK AND REMOVE ENCAP- SULANT, ASIDE STICK, LIFT UP CIRCUIT, OBTAIN CUTTERS, CUT OFF BOTH ENDS OF LIFTED CIRCUIT, ASIDE CUTTERS AND LIFTING TOOL ENDS-WITH ASIDE TOOLS CASE 01 UNOBSTRUCTED ACCESS 02 OBSTRUCTED ACCESS



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	726	MAA	KPMESR8	SDACT01	4679	COVER(TUBE TYPE OSCILLOSCOPE),TAKE OFF AND PUT ON STARTS-WITH REACH TO GET SCREWDRIER INCLUDES-ALL THE MOTIONS NECESSARY TO RE- POSITION THE SCOPE,REMOVE HOLDING SCREWS, REMOVE COVER,REPOSITION SCOPE,GET AND ALIGN COVER TO STUDS,POSITION AND SCREW DOWN HOLDING SCREWS ENDS-WITH TOOLS ASIDE CONDITIONS-OSCILLOSCOPE WEIGHS UP TO 40 POUNDS,RUN HOLDING SCREWS(4)IN AND OUT WITH FIVE TO 10 TURNS-APPLIES TO CONVENTIONAL TUBE TYPE OSCILLOSCOPES ONLY
FFE	726	MAA	KPMEWXX	SDAWRXX	VARIABLE	WAVEGUIDE(SECTION),REPLACE STARTS-WITH REACH TO WAVEGUIDE OR TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET, POSITION AND ALIGN WAVEGUIDE SECTION TO SCREW HOLES,INSERT SCREWS/BOLTS AND TIGHTEN,REMOVE SCREWS/BOLTS AND WAVEGUIDE SECTION,ASIDE TOOL AND WAVEGUIDE ENDS-WITH TOOL OR WAVEGUIDE ASIDE CONDITIONS-APPLIES TO WAVEGUIDES,ATTENUATORS, DUMMY LOAD,ETC.-CONNECT/DISCONNECT ONE END ONLY-SECURED WITH FOUR SCREWS/BOLTS CASE 01 INSTALL-FOUR SCREWS OR BOLTS WITH NUTS 02 REMOVE-FOUR SCREWS OR BOLTS WITH NUTS 03 INSTALL-FOUR ALLEN HEAD SCREWS 04 REMOVE-FOUR ALLEN HEAD SCREWS 05 INSTALL AND REMOVE-FOUR SCREWS OR BOLTS WITH NUTS 06 INSTALL AND REMOVE-FOUR ALLEN HEAD SCREWS
					2586	
					1890	
					2557	
					3772	
					4476	
					6329	
MAA	726	TUA	SDACT02	SDACT01	3620	DISTORTION,DETERMINE STARTS-WITH REACH TO OUTPUT CONTROL INCLUDES-ALL THE MOTIONS NECESSARY TO ADJUST OUTPUT CONTROL FOR METER INDICATION,ADJUST ANALYZER INPUT CONTROL,SET FUNCTION SWITCH TO DISTORTION,ADJUST ANALYZER COARSE AND FINE FREQUENCY CONTROL,ADJUST ANALYZER BALANCE FOR NULL,RESET ANALYZER METER RANGE SWITCH,RENULL METER VIA FINE CONTROL,READJUST BALANCE AND READ PERCENT DISTORTION DIRECT ENDS-WITH READ PERCENT DISTORTION CONDITIONS-APPLIES TO HP 3308/C/D ANALYZER OR SIMILAR
NAA	728	TUA	ACEAF56	SDACS01	7298	CONDUIT,SOLDER FERRULES AND INSTALL NUTS STARTS-WITH REACH TO GET CONDUIT INCLUDES-ALL THE MOTIONS NECESSARY TO GET CONDUIT,POSITION FERRULE TO FIXTURE,DIP END OF CONDUIT IN FLUX,POSITION CLAMP TO HOLD CONDUIT AND SOLDER CONDUIT TO FERRULE,COOL WITH AIR, DISENGAGE CLAMP AND CONDUIT,ARRANGE CONDUIT TO OTHER END,INSERT BOTH NUTS ON FREE END,DIP END IN FLUX,POSITION CLAMP TO HOLD CONDUIT,SOLDER FERRULE ON SECOND END OF CONDUIT,BRUSH OFF EXCESS SOLDER,COOL WITH AIR,DISENGAGE CLAMP AND CONDUIT,TURN AND ASIDE CONDUIT ENDS-WITH ASIDE CONDUIT CONDITIONS-1/4 TO 3/4 INCH CONDUIT(OUTSIDE DIAMETER)
NAA	728	MAA	SCECF05	SIDCM01	396	CABLE,MANUFACTURE,MARK SLEEVING,PER MARK STARTS-WITH GET SLEEVING INCLUDES-ALL MOTIONS NECESSARY TO POSITION SLEEVING IN MACHINE AND ACTUATE MACHINE TO MARK SLEEVING ENDS-WITH ASIDE CABLE



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA ELEMENT	GROUP	QUALITY	SOURCE CODE	DMM/STDP ELEMENT	TIME VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	ACEAF28	SIDCS01	1200	CABLE, STAMP AND APPLY LABEL STARTS-WITH REACH TO GET WIRE INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION WIRE TO BLOCK, ACTUATE FOOT PEDAL, CHECK STAMP ON WIRE, POSITION WIRE OVER PULLY, MACHINE STAMP AND COIL WIRE, POSITION VERSIFLEX TO CABLE ON BOTH ENDS, GET AND ASIDE WIRE ENDS-WITH ASIDE WIRE
NAA	728	MAA	ACEAF26	SIDLP01	7760	LABEL, PREPARE AND ATTACH TO CABLE STARTS-WITH REACH TO GET TOOL-DYMO IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO CUT OFF END OF TAPE, VISUALLY CHECK NUMBERS, SELECT AND SET NUMBERS ON STENCIL DIAL, ACTIVATE LEVER TO STAMP, CUT AND CHECK TAPE, CUT OFF VERSIFLEX, POSITION LABEL INTO VERSIFLEX, TRIM BOTH SIDES OF VERSIFLEX, POSITION LABEL TO CABLE, TIE LABEL TO CABLE, ASIDE CUTTER ENDS-WITH ASIDE SCISSORS OR CUTTER
NAA	728	MAA	ACEAF53	MITCT01	1050	CABLE(COAXIAL), TEST INSULATION(AFTER ASSEMBLY) STARTS-WITH CABLE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO VISUALLY CHECK CABLE ASSEMBLY, POSITION METER LEADS TO PINS(TWO), CHECK METER READING, POSITION ONE LEAD TO SHELL AND CHECK READING, REMOVE AND ASIDE LEADS ENDS-WITH ASIDE LEADS
NAA	728	MAA	SCECIXX	SITCEXX VARIABLE	1366 1063	CABLE, EXAMINE VISUALLY FOR DEFECTS/DAMAGE STARTS-WITH GET CABLE INCLUDES-ALL MOTIONS NECESSARY TO MOVE CABLE TO AREA OF VISION AND PERFORM VISUAL INSPECTION OF FIVE-FOOT CABLE ENDS-WITH ASIDE CABLE CASE 01 FIRST FIVE-FOOT LENGTH EXAMINED 02 EACH ADDITIONAL FIVE-FOOT LENGTH EXAMINED
NAA	728	MAA	SCECF22	SITCM01	1410	CABLE, MANUFACTURE, CHECK CONTINUITY, PIN TO PIN STARTS-WITH CHECK PRINT FOR PIN NUMBER CONNECTION INCLUDES-ALL MOTIONS NECESSARY TO SELECT PIN ON CABLE PLUG, POSITION TEST LEAD, CHECK WIRE NUMBER, SELECT PIN ON SECOND PLUG, POSITION LEAD TO PIN, AND OBSERVE INDICATION ENDS-WITH REMOVE AND ASIDE LEADS
NAA	728	MAA	ACEAF37	SITLTO1	2440	CABLE, TEST AND EXAMINE STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET A CABLE, PLUG IN(2 PLUGS), UNPLUG BOTH PLUGS, CHECK CABLE SOLDER CONNECTIONS AND STAMP IDENTIFICA- TION CARD ENDS-WITH ASIDE CABLE CONDITIONS-CLOSE EXAMINATION REQUIRED
NAA	728	MAA	ACEAF54	SITCT02	4978	CABLE(TRIAXIAL), TEST AND CHECK STARTS-WITH REACH TO CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND VISUALLY EXAMINE CABLE, POSITION METER LEADS TO PINS, CHECK METER READINGS, REMOVE AND ASIDE METER LEADS, POSITION MEGGER LEADS TO PINS, CRANK MEGGER, REMOVE AND ASIDE LEADS ENDS-WITH ASIDE TEST LEADS CONDITIONS-MAKE THREE READINGS



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	ACEAF41	SITCT03	1340	CABLE,TEST(PIN TO PIN-ONE PLUG) STARTS-WITH POSITION PRINT TO DETERMINE PIN CONNECTION INCLUDES-ALL THE MOTIONS NECESSARY TO CHECK PRINT FOR PIN CONNECTION,CHECK WIRE NUMBER, SELECT WIRE,STRIP END,POSITION TEST LEADS TO WIRE AND PIN,CHECK INDICATION,REMOVE LEADS ENDS-WITH ASIDE LEADS AND CABLE/PLUG
NAA	728	MAA	ACEAF53	SITCT04	1088	CABLE(COAXIAL),TEST ON PANEL(FINAL) STARTS-WITH REACH TO CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE,VISUALLY EXAMINE CABLE,POSITION PLUG TO PANEL,TURN POWER ON AND OFF,TURN VOLTMETER SWITCH ON AND OFF,ACTUATE SWITCH AND CHECK LIGHT,REMOVE PLUG FROM PANEL AND ASIDE ENDS-WITH ASIDE PLUG AND CABLE
NAA	728	MAA	ACEAF40	SITCT05	1150	CABLE,TEST(PIN TO PIN-TWO PLUGS) STARTS-WITH POSITION PRINT TO DETERMINE PIN NUMBER(S) INCLUDES-ALL THE MOTIONS NECESSARY TO CHECK PRINT,DETERMINE PIN NUMBER(S),SELECT PIN(S) CABLE PLUG,POSITION TEST LEADS TO PINS,CHECK INDICATION,CHECK WIRE NUMBER,REMOVE LEADS ENDS-WITH ASIDE LEADS AND OR PLUGS
AF	728	MAA	MDL-4P	SITCT06	98	CABLE(ELECTRICAL),TWIST TEST PLUG ENDS STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE IN ONE HAND,GRASP PLUG(CONNECTOR)WITH OTHER HAND AND TWIST 180 DEGREES,RELEASE PLUG, GRASP PLUG AGAIN AND TWIST 180 DEGREES IN OTHER DIRECTION,ASIDE CABLE ENDS-WITH ASIDE CABLE
NAA	728	MAA	ACEAF33	SJPCI01	3600	CABLE(ROUND OR SPLIT TYPE),INSTALL AND REMOVE IN/FROM FIXTURE STARTS-WITH REACH TO GET CABLE ASSEMBLY INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE ASSEMBLY,POSITION AND SECURE PLUG(S) IN FIXTURE,WALK WITH CABLE TO OTHER END,ALIGN WIRE;RETURN TO FIXTURE,REMOVE PLUG(S),COIL AND TIE CABLE ENDS-WITH ASIDE TIED CABLE CONDITIONS-DOES NOT INCLUDE WALKING TO AND FROM FIXTURE WITH CABLE-INCLUDES WALK 12 FEET TO END OF ROUND TYPE CABLE AND RETURN AND WALK 24 FEET TO OTHER END OF SPLIT TYPE CABLE AND RETURN-APPLICABLE TO BOTH PLAIN AND ZIPPERED SLEEVING
NAA	728	MAA	SCECLXX	SJPCLXX VARIABLE	1283 183	CABLE(ELECTRICAL),LAYOUT STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION CABLE ON BENCH,CUT TIES,POSITION CABLE END IN HOLDING FIXTURE,GET COILED CABLE AND LAYOUT ON WORKBENCH ENDS-WITH CABLE ROLLED OUT ON BENCH,END IN FIXTURE CASE 01 LAYOUT FIRST OR ONLY FIVE LINEAR FEET 02 LAYOUT EACH ADDITIONAL FIVE LINEAR FEET
NAA	728	MAA	ACEAF52	SJPCP01	1560	CABLE(COAXIAL),PREPARE TO MANUFACTURE AND TEST STARTS-WITH REACH TO GET CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CABLE,UNTIE COIL,UNCOIL,COIL AND TIE ENDS-WITH ASIDE CABLE CONDITIONS-CABLE 10 FEET LONG



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	ACCUM- ACTION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	ACEAF43	SJPPV01	640	PARTS(AVIATION), VERIFY AND EXAMINE STARTS-WITH REACH TO PACK INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND UNPACKAGE PARTS, CHECK BLUEPRINT, CHECK PART, ASIDE PART ENDS-WITH ASIDE PART CONDITIONS-APPLIES TO PLUGS AND SPECIAL PARTS
NAA	728	MAA	ACEAF46	SJPSS01	640	STOP(MEASURING TABLE), SET FOR DESIRED LENGTH STARTS-WITH A REACH TO KNURLED SCREW INCLUDES-ALL THE MOTIONS NECESSARY TO LOOSEN SCREW, POSITION MEASURING STOP, TIGHTEN SCREW ENDS-WITH RELEASE SCREW AFTER TIGHTEN
NAA	728	MAA	ACEAF43	SJPTI01	5926	TUBE(POTTING), INSERT IN, REMOVE FROM GUN, CLEAN STARTS-WITH GET POTTING FROM FREEZER INCLUDES-ALL THE MOTIONS NECESSARY TO GET POTTING, ALIGN AIR GUN, POSITION TUBE IN GUN, LATCH AND SECURE CAP, SCREW ON KNURLED SCREW. REMOVE POTTING TUBE TIP, INSTALL NEW TIP, LOOSEN KNURLED SCREW, DISENGAGE CAP, REMOVE EMPTY TUBE AND ASIDE GUN AND TUBE, OBTAIN EMPTY TUBE. POSITION INSERT DEVICE AND TWIST TO REMOVE DEVICE, UNSCREW TIP, CLEAN TUBE, POSITION ROD TO REMOVE FINAL PIECE OF OLD POTTING, REMOVE ROD AND ASIDE TUBE AND POTTING ENDS-WITH ASIDE TUBE AND POTTING CONDITIONS-DOES NOT INCLUDE WALKING TO AND FROM FREEZER TO GET POTTING-USE PNEUMATIC POTTING GUN
NAA	728	MAA	ACEAF46	SJPTL01	1560	TERMINALS, LOAD IN MACHINE STARTS-WITH REACH TO GET NEW ROLL OF TERMINALS INCLUDES-ALL THE MOTIONS NECESSARY TO GET ROLL OF TERMINALS, REMOVE EMPTY REEL, INSTALL NEW REEL, POSITION END OF ROLL TO MACHINE FEED ENDS-WITH END OF ROLL POSITIONED FOR FEED
NAA	728	FAA	JCECF8L	SMTCS01	31460	CONDUIT, SOLDER STARTS-WITH GET AND PUT ON GLOVE INCLUDES-ALL THE MOTIONS NECESSARY TO GET SOLDER, TURN MACHINE ON, WARM MACHINE UP, GET AND PLACE CONDUIT IN MACHINE, WAIT ONE MINUTE FOR INDUCTION, APPLY SOLDER, REMOVE CONDUIT, EXAMINE WORK, COOL ONE MINUTE, TURN OFF MACHINE, REMOVE GLOVE ENDS-WITH REMOVE GLOVE CONDITIONS-SOLDER IN LEVEL ELECTRONIC UNIT- BRASS CONDUIT WITH LIP-WARM UP AND WAIT FOR INDUCTION TIME FROM MACHINE OPERATING INSTRUCTIONS
NAA	728	TUA	SCECF01	MPTCM01	1514	CABLE, MANUFACTURE, WARM UP CODING MACHINE STARTS-WITH PLUG IN CORD INCLUDES-ALL MOTIONS NECESSARY TO TURN SWITCH ON AND ALLOW APPROXIMATELY 45 SECONDS FOR MACHINE TO WARM UP ENDS-WITH MACHINE WARM
NAA	728	MAA	SCECF05	MSUCH01	2330	CABLE, MANUFACTURE, SET UP STAMPING DIE STARTS-WITH UNLATCH DIE INCLUDES-ALL MOTIONS NECESSARY TO REMOVE DIE FROM MACHINE, REMOVE STAMP NUMBERS, SELECT NEW STAMP NUMBERS, INSTALL STAMP NUMBERS TO DIE, AND POSITION DIE TO MACHINE ENDS-WITH HOOK LATCH CONDITIONS-DOES NOT INCLUDE MACHINE WARM UP



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	SCECF02	SSUCM02	1370	CABLE,MANUFACTURE,REPLACE STAMPING BLOCK STARTS-WITH LOOSEN TWO KNURLED SCREWS INCLUDES-ALL MOTIONS NECESSARY TO REMOVE BLOCK,ASIDE BLOCK TO DRAWER,GET NEW BLOCK,AND POSITION BLOCK ENDS-WITH TIGHTEN KNURLED SCREWS
NAA	728	TUA	SCECF01	SSUCM03	1690	CABLE,MANUFACTURE,REPLACE RIBBON IN CODING MACHINE STARTS-WITH LOOSEN LATCHES INCLUDES-ALL MOTIONS NECESSARY TO REMOVE EMPTY SPOOL,OBTAIN NEW RIBBON FROM UNLOCKED CABINET OR DRAWER,REMOVE RIBBON FROM PACKAGE,POSITION SPOOL THROUGH LATCH,SET LATCH IN PLACE,AND ROUTE RIBBON AROUND CHANNEL ENDS-WITH RELEASE OF RIBBON
NAA	728	MAA	SCECF01	SSUCM04	1902	CABLE,MANUFACTURE,REPLACE WIRE SPOOL IN CODING MACHINE STARTS-WITH LIFT SPOOL FROM RACK INCLUDES-ALL THE MOTIONS NECESSARY TO GET TOOL,LOOSEN NUT,REMOVE COLLAR,ASIDE TOOL,RE- MOVE ROD FROM SPOOL,GET NEW SPOOL,INSTALL ON ROD,INSTALL AND TIGHTEN COLLAR,PLACE SPOOL ON RACK ENDS-WITH RELEASE OF SPOOL
NAA	728	MAA	ACEAF27	SSUDS01	3660	DIE(STAMPING),SET UP STARTS-WITH GET CUTTING TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO CUT VERSIFLEX,CHECK WIRE LIST,REMOVE DIE FROM MACHINE,CHECK STAMP NUMBER,OBTAIN PAD TO HOLD DIE,LOOSEN KNURLED SCREW,REMOVE STAMP NUMBERS AND POSITION TO SLOTS,SELECT NUMBERS AND POSITION TO DIE,TIGHTEN SCREW,POSITION DIE BACK TO MACHINE,ASIDE PAD,REMOVE AND REPLACE STAMPING BLOCK ENDS-WITH TIGHTEN SCREWS TO HOLD NEW BLOCK IN POSITION CONDITIONS-DOES NOT INCLUDE WALKING TO GET VERSIFLEX OR WALKING TO STAMP MACHINE
NAA	728	MAA	ACEAF07	SSUMS01	2360	MACHINE(CABLE CODING),SET UP STARTS-WITH REACH TO PLUG ON CORD INCLUDES-ALL THE MOTIONS NECESSARY TO PLUG IN ELECTRIC CORD,TURN ON SWITCH,ALLOW MACHINE TO WARM UP,POSITION CHECK LIST IN VIEW,MOVE CHAIR AND SIT AND STAND,REMOVE AND REPLACE STAMPING RIBBON,SET KNOBS,LENGTH,MARK SPACING AND COUNTER ON CONTROL PANEL OF AUTOMATIC MACHINE, ACTUATE START AND RESET SWITCHES,ASIDE CODED WIRES TO BIN,SELECT BIN,POSITION IDENTIFICA- TION ENDS-WITH IDENTIFICATION POSITIONED CONDITIONS-NUMBER 16 TO 22 SHIELDED WIRE-12 TO 24 PLAIN WIRE-APPLIES TO KINGSLEY AUTOMATIC CODING MACHINE-REMOVE AND REPLACE STAMPING RIBBON ONE TIME PER 10 SET UP=WARM UP TIME IS 200 TMUS
NAA	728	TUA	ACEAF56	STLFR01	2450	FERRULE(ON CONDUIT),REAM BY HAND STARTS-WITH GET REAMING TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET REAMER AND REAM OUT FERRULE,INSPECT VISUALLY AFTER REAMING,CLEAN WITH WIRE BRUSH ENDS-WITH ASIDE CABLE CONOITIONS-BRASS CONDUIT-1/4 TO 3/4 INCH OUT- SIDE DIAMETER-TWO FERRULES



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	ACEAF56	MTPCM01	2490	CONDUIT(ELECTRICAL-BRASS), MEASURE AND CUT STARTS-WITH COILED CONDUIT IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO UNCOIL CONDUIT, POSITION TO MEASURE, MEASURE AND MARK CONDUIT, APPLY FLUX TO MARK AREA, TIN CONDUIT, MOVE CONDUIT TO BAND SAW AND CUT, ASIDE TO WORKBENCH, RECOIL UNCOIL CONDUIT ENDS-WITH ASIDE CUT CONDUIT TO WORKBENCH CONDITIONS-BRASS CONDUIT 1/4 TO 3/4 INCH, OUTSIDE DIAMETER
NAA	728	MAA	ACEAF57	MTPCM02	1690	CONDUIT(ELECTRICAL-ALUMINUM), MEASURE AND CUT STARTS-WITH COIL OF CONDUIT IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO UNCOIL CONDUIT, POSITION AND MEASURE, MARK CUT POINT, TAPE AT MARK, POSITION TO BAND SAW AND CUT CONDUIT, ASIDE CONDUIT, RECOIL ENDS-WITH ASIDE CUT CONDUIT, RECOIL REMAINDER CONDITIONS-RUBBER COVERED ALUMINUM CONDUIT, 1/4 TO 3/4 INCH OUTSIDE DIAMETER-CUT FOUR FEET AVERAGE
NAA	728	MAA	ACEAF56	STPCD01	3258	CONDUIT(ELECTRICAL-BRASS), DRESS AND FILE STARTS-WITH REACH TO CUT CONDUIT INCLUDES-ALL THE MOTIONS NECESSARY TO GET CONDUIT, TURN TO GRINDER, START GRINDER, GRIND END OF CONDUIT, TURN OFF GRINDER, PICK UP FILE AND FILE INSIDE OF CONDUIT TO REMOVE NICKS, ASIDE FILE, ASIDE CONDUIT ENDS-WITH ASIDE FILE AND CONDUIT CONDITIONS-GRIND AWAY HARD CARBON, METAL ETCHING, ETC., FILE OUT NICKS TO .030 INCHES DEEP BY 3/8 INCH LONG IN BRASS-
NAA	728	MAA	ACEAF59	MWHWFX	VARIABLE	WIRE(S), FEED THROUGH CONDUIT STARTS-WITH REACH TO GET CONDUIT INCLUDES-ALL THE MOTIONS NECESSARY TO GET CONDUIT AND WIRES, POSITION WIRES IN CONDUIT AND FEED THROUGH, PULL WIRES CLEAR, ASIDE CONDUIT ENDS-WITH ASIDE CONDUIT CONDITIONS-FEED BUNDLE OF THREE WIRES 973 CASE 01 FEED WIRES TWO TO 16 INCHES 54 02 FEED EACH ADDITIONAL FOUR INCHES
NAA	728	MUA	SCEBN01	SWHBI01	2900	BAND(LOCKING), INSTALL AND CRIMP, AIRCRAFT CABLE STARTS-WITH GET FIRST CONDUCTOR INCLUDES-ALL MOTIONS NECESSARY TO GET UP TO FIVE CONDUCTORS, FORM CABLE BUNDLE, WRAP TAPE AROUND BUNDLE, ASSEMBLE CLEAT TO LOCKING BAND, POSITION LOCKING BAND AROUND CABLE, THREAD BAND THROUGH CLEAT, TIGHTEN BAND ON CABLE BY HAND, GET PLIERS AND TIGHTEN BAND, GET CRIMPER, CRIMP CLEAT, CUT OFF EXCESS BAND WITH HACKSAW, DEBURK END OF BAND, AND VISUALLY EXAMINE CLAMP ENDS-WITH ASIDE CABLE CONDITION-BAND IS TO 1/2 INCH WIDE AND 11 INCHES LONG, .050 INCHES THICK, STAINLESS STEEL
NAA	728	MAA	ACEAF47	SWHCC01	1004	CABLE(BONDING), CUT(PER CUT) STARTS-WITH REACH TO SELECT CABLE INCLUDES-ALL THE MOTIONS NECESSARY TO REACH, SELECT AND PICK UP CABLES, POSITION TO MEASURE, POSITION TO CABLE CUTTER, ACTUATE FOOT PEDAL TO CUT CABLES, ASIDE CABLE ENDS-WITH ASIDE CABLES AFTER CUTTING CONDITIONS-LIMITED TO FIVE WIRES PER CUT



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	ACEAF24	SWHC1XX	VARIABLE	<p>CABLE, INSTALL AND REMOVE FROM TYING FIXTURE  STARTS-WITH REACH TO LATCH  INCLUDES-ALL THE MOTIONS NECESSARY TO WALK TO  AND FROM TYING FIXTURE, PLACE PLUG IN FIXTURE  AND SECURE LATCH, WALK TO OTHER END, OPEN LATCH,  POSITION PLUG TO LATCH, CLOSE AND SECURE, OPEN  LATCH AT ONE END TO REMOVE, REMOVE PLUG, WALK TO  OTHER END, OPEN LATCH AND REMOVE CABLE, COIL AND  TIE CABLE ASSEMBLY  ENDS-WITH ASIDE COIL  CONDITIONS-CABLE OVER EIGHT FEET LONG-DOES NOT  INCLUDE WALK TO LATCH AT EACH END OF CABLE-ADD  WALKING TIME BASED ON LENGTH OF CABLE  CASE 01 INSTALL CABLE IN FIXTURE  02 REMOVE CABLE FROM FIXTURE  03 INSTALL AND REMOVE IN/FROM FIXTURE</p>
					1720 2030 3750	
FFO	728	MAA	KERCCA3	SWHC104	2738	<p>COLLAR (THREADED METAL), INSTALL ON COAXIAL  CABLE-UNRAVEL BRAIDED METAL SHIELD AND PRESS  TO COLLAR  STARTS-WITH REACH TO BRAIDED METAL SHIELD  INCLUDES-ALL THE MOTIONS NECESSARY TO DRESS/  STRAIGHTEN SHIELD, THREAD COLLAR TO CABLE, SLIDE  COLLAR ON CABLE, SLIDE WASHER ON CABLE, PLACE  AND SLIDE RUBBER GASKET ON SHIELD, UNRAVEL  SHIELD, BEND STRANDS OF SHIELD AND PRESS TO  METAL COLLAR, CUT STRANDS, TRIM, ASIDE CUTTER  AND FINISH PRESSING STRANDS OF SHIELD AGAINST  METAL COLLAR  ENDS-WITH FINAL PRESS OF SHIELD STRANDS  AGAINST METAL COLLAR  CONDITIONS-APPLIES TO COAXIAL CABLE WITH DIA-  METER EQUAL TO OR LESS THAN 1/2 INCH AND  GREATER THAN 1/4 INCH-MANUAL OPERATION</p>
NAA	728	MAA	SCECF19	SWHC001	1060	<p>CABLE, MANUFACTURE, INSTALL HEAT INSULATION, ONE  INCH LONG  STARTS-WITH GET INSULATOR  INCLUDES-ALL MOTIONS NECESSARY TO CUT A  ONE-INCH LENGTH OF INSULATOR WITH DIAGONAL  PLIERS, POSITION INSULATOR TO WIRE, AND HEAT  INSULATOR WITH THERMAL GUN  ENDS-WITH ASIDE THERMAL GUN</p>
NAA	728	MAA	SCECF21	SWHC002	810	<p>CABLE, MANUFACTURE, TIE CABLE WITH PLASTIC  STRAP, PER STRAP  STARTS-WITH GET STRAP  INCLUDES-ALL MOTIONS NECESSARY TO POSITION  STRAP AROUND CABLE, GET FASTENING TOOL, POSITION  STRAP TO TOOL, AND ACTUATE TOOL TO FASTEN STRAP  ENDS-WITH ASIDE TOOL</p>
NAA	728	MBA	SCECF17	SWHC003	2058	<p>CABLE, MANUFACTURE, STRIP SHIELDED WIRE AND  ATTACH JUMPER  STARTS-WITH STRIP OUTER INSULATION  INCLUDES-ALL MOTIONS NECESSARY TO STRIP  SHIELDING, GET JUMPER WIRE, STRIP END, TWIST  JUMPER AND SHIELD TOGETHER, AND SOLDER JUMPER  AND SHIELD  ENDS-WITH ASIDE SOLDER IRON  CONDITION-APPLICABLE TO NO. 16-NO. 22 WIRE</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MAA	ACEAF57	SWHCS01	12030	<p>CONDUIT, STRIP AND INSTALL NUTS</p> <p>STARTS-WITH REACH TO OBTAIN CUT CONDUIT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET CONDUIT, REMOVE MASKING TAPE, CUT AND REMOVE 1/4 INCH OF INSULATION, DRESS INSIDE AND TRIM EDGES OF CONDUIT, GET FERRULE NUT FROM DRAWER, PLACE NUT ON CONDUIT, SEAT NUT, POSITION CONDUIT AND NUT FIXTURE, TURN WHEEL TO ENGAGE NUT, ADJUST OUTSIDE FERRULED CRIMP SCREWS, TURN SPINDLE TO GROOVE NUT, LOOSEN ADJUSTMENT SCREWS, DISENGAGE FROM FIXTURE AND CHECK CONDUIT NUT, POSITION A OR B NUT OVER CONDUIT, POSITION CONDUIT TO OTHER NUT, REPEAT OPERATION FOR SECOND END</p> <p>ENDS-WITH ASIDE CONDUIT</p> <p>CONDITIONS-RUBBER COVERED ALUMINUM CONDUIT, 1/4 TO 3/4 INCH OUTSIDE DIAMETER-AVERAGE LENGTH FOUR FEET</p>
NAA	728	MUA	SCEPK01	SWHPMXX	VARIABLE	<p>PLUG(CABLE), MOLD</p> <p>STARTS-WITH CUT RUBBER STRIPS FOR MOLD</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO PLACE RUBBER STRIPS IN BOTTOM OF MOLD, PLACE THREE SPRINGS AND WASHERS IN MOLD, INSTALL CONTACT SOCKET TO MOLD WITH THREE BOLTS, PACK RUBBER STRIPS ON CONTACT SOCKET, ASSEMBLE TWO HALVES OF MOLD, INSTALL SUPPLEMENTAL MOLD TO PRIMARY MOLD WITH TWO DOWEL PINS, REMOVE SUPPLEMENTAL MOLD INSERT, PACK WITH RUBBER STRIPS, REINSTALL INSERT, PLACE MOLD IN HEAT PRESS, TURN STEAM ON, AND RAISE PRESS TABLE TO DESIRED POSITION</p> <p>ENDS-WITH MOLD IN PRESS</p> <p>CONDITION-APPLICABLE TO PRESCU HEAT PRESS, MODEL PA 7-3 OR SIMILAR</p> <p>8830 CASE 01 MANUALLY OPERATED HYDRAULIC TABLE</p> <p>8650 02 HYDRO-PNEUMATIC TABLE</p>
NAA	728	MAA	SCENL01	SWHPR01	7380	<p>PLUG(CABLE), REMOVE FROM MOLD</p> <p>STARTS-WITH PUT ON GLOVES</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO RELEASE PRESSURE ON HEAT PRESS, REMOVE MOLD AND STUFFING BOX FROM PRESS, USE SCREWDRIVER TO PRY SUPPLEMENTAL MOLD FROM PRIMARY MOLD, USE HACKSAW TO CUT RUBBER CONNECTIONS, REMOVE LID FROM SUPPLEMENTAL MOLD WITH ARBOR PRESS, REMOVE TOP HALF OF MOLD WITH PRY BAR, REMOVE END PLATE BOLT WITH FINGERS, REMOVE THREE TERMINAL HOLDING BOLTS WITH WRENCH, AND REMOVE PLUG FROM MOLD</p> <p>ENDS-WITH ASIDE PLUG</p> <p>CONDITION-WALKING TO AND FROM HEAT PRESS AND ARBOR PRESS NOT INCLUDED</p>
NAA	728	MAA	ACEAF34	SWHSIXX	VARIABLE	<p>SLEEVING(VINYLLITE), INSTALL OVER CABLE</p> <p>STARTS-WITH REACH TO GET WIRES</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND ALIGN WIRES IN CABLE, POSITION VINYLLITE OVER CABLE</p> <p>ENDS-WITH SLEEVING IN POSITION OVER CABLE</p> <p>CONDITIONS-DOES NOT INCLUDE FASTENING OR SECURING CABLE OR SLEEVING, DOES NOT INCLUDE EXTENDING PRESSURE OR MIGHT OPERATIONS REQUIRING HIGH PRESSURE</p> <p>540 CASE 01 PLAIN VINYLLITE-PER FOOT</p> <p>2120 02 ZIPPERED VINYLLITE-INCLUDES APPLYING PRIMER AND ZIPPING SLEEVING TOGETHER-PER SIX INCHES</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	GROUP- ACTION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	THU VALUE	OPERATION/ELEMENT DESCRIPTION
JBA	728	MMA	SEB3NXX	SWH5103	7450	<p>SLEEVING, INSTALL</p> <p>STARTS-WITH REACH TO GET SLEEVING FROM RACK</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET A COIL OF SLEEVING FROM RACK STORAGE, OBTAIN TAPE MEASURE, PULL OUT TAPE, MEASURE SLEEVING, ASIDE TAPE, CUT SLEEVING, COIL CUT SLEEVING, ASIDE STOCK COIL, GET AND ASIDE ROLL OF TAPE, TIE END OF CABLE, PLACE PIECE OF TAPE OVER END OF CABLE, PLACE SLEEVING OVER CABLE, REMOVE TAPE FROM CABLE END, CUT, REMOVE AND ASIDE TIE, POSITION CABLE TOGETHER AND MAKE ONE TIE, GET AND ASIDE CABLE FROM KIT</p> <p>ENDS-WITH ASIDE CABLE</p>
NAA	728	MUA	SCESNAD	SWH5104	6110	<p>SPLICE/SLEEVE, INSTALL, MULTI WIRE BUTT SPLICE</p> <p>STARTS-WITH REACH TO WIRES</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO LOCATE WIRES AND SEPARATE FROM BUNDLE, PLACE IDENTIFICATION SLEEVES AND SEALANT RING ON WIRES, STRIP INSULATION, CRIMP WIRES IN BARREL(S), POSITION SLEEVE OVER BARREL, POSITION SEALANT RING IN SLEEVE, AND SHRINK SLEEVE WITH GUN</p> <p>ENDS-WITH ASIDE TOOLS</p> <p>CONDITIONS-AN AVERAGE OF 3.13 WIRES ARE TERMINATED PER SPLICE, APPLICABLE TO MULTI WIRE SEALED CRIMP BUTT SPLICE, RAYCHEM D-436-34 OR SIMILAR</p>
NAA	728	MUA	SCESNBA	SWH5105	3620	<p>SPLICE/SLEEVE, INSTALL, SOLDER SLEEVE, INSULATED WIRE</p> <p>STARTS-WITH REACH TO WIRES</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO LOCATE WIRES AND SEPARATE FROM BUNDLE, CUT GROUP OF WIRES, STRIP INSULATION FROM WIRES, TWIST WIRE ENDS TOGETHER, POSITION SLEEVE ON WIRES, POSITION SOLDER RING, AND SHRINK SLEEVE WITH GUN</p> <p>ENDS-WITH ASIDE TOOLS</p> <p>CONDITIONS-AN AVERAGE OF THREE WIRES ARE TERMINATED PER SPLICE, APPLICABLE TO SHRINK SOLDER SLEEVE HAS 1746-3, -4, OR RAYCHEM D-146-01 OR SIMILAR</p>
NAA	728	MUA	SCESNBB	SWH5106	2900	<p>SPLICE/SLEEVE, INSTALL, SOLDER SLEEVE, SHIELDED WIRE</p> <p>STARTS-WITH REACH TO WIRES</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO LOCATE WIRE AND SEPARATE FROM BUNDLE, CUT TO LENGTH, STRIP WIRE END, POSITION SLEEVE ON WIRE, EXAMINE SOLDER RING POSITION, AND SHRINK SLEEVE WITH GUN</p> <p>ENDS-WITH ASIDE TOOLS</p> <p>CONDITIONS-APPLICABLE TO SHRINK SOLDER SLEEVE, RAYCHEM D-146-01 OR SIMILAR</p>
NAA	728	MUA	SCESNHC	SWH5107	4220	<p>SPLICE/SLEEVE, INSTALL, SOLDER SLEEVE, COAX CABLE (ONE END ONLY)</p> <p>STARTS-WITH REACH TO CABLE</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO LOCATE CABLE AND SEPARATE FROM BUNDLE, MEASURE AND MARK CABLE, CUT TO LENGTH, STRIP INSULATION FROM CABLE, POSITION SLEEVE ON CABLE, AND SHRINK WITH GUN</p> <p>ENDS-WITH ASIDE TOOLS</p> <p>CONDITION-APPLICABLE TO SHRINK SOLDER SLEEVE, RAYCHEM D-133-05, -06, OR SIMILAR</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	728	MUA	SCESNCA	SWHS108	2370	<p>SPLICE/SLEEVE, INSTALL, SHIELDED WIRE  STARTS-WITH REACH TO WIRE  INCLUDES-ALL MOTIONS NECESSARY TO LOCATE WIRE  AND SEPARATE FROM BUNDLE, CUT WIRE TO LENGTH,  STRIP INSULATION FROM WIRE END, CUT SLEEVE FROM  STOCK, POSITION SLEEVE ON WIRE, AND SHRINK  SLEEVE WITH GUN  ENDS-WITH ASIDE TOOLS  CONDITION-APPLICABLE TO THERMOFIT SLEEVES,  1/8-1/4 INCH DIAMETER</p>
NAA	728	MUA	SCESNAA	SWHS109	4520	<p>SPLICE/SLEEVE, INSTALL  STARTS-WITH CHECK DATA FOR NEXT WIRE  INCLUDES-ALL THE MOTIONS NECESSARY TO LOCATE  WIRE AND READ INFORMATION, OBTAIN TWO WIRES  FROM BUNDLE, GET AND POSITION IDENTIFICATION  SLEEVE TO WIRE, GET CUTTERS, CUT WIRE TO LENGTH,  ASIDE CUTTERS, GET AND PLACE SHRINK SLEEVE ON  WIRE, CRIMP BARREL TO WIRE (FIRST END), CRIMP  SECOND WIRE, CRIMP BARREL TO SECOND END, INSPECT  CRIMPED BARREL, ALIGN SLEEVE OVER BARREL, SHRINK  WITH MINI-GUN, THERMOFIT CV 5300, INSPECT, ASIDE  TOOLS  ENDS-WITH INSPECT TERMINATION  CONDITIONS-APPLICABLE TO SEALED CRIMP BUTT,  RAYCHEM D-436-21 AND SIMILAR</p>
NAA	728	MUA	SCESNAB	SWHS110	5690	<p>SPLICE/SLEEVE, INSTALL  STARTS-WITH CHECK DATA TO LOCATE WIRES  INCLUDES-ALL THE MOTIONS NECESSARY TO READ  DATA, LOCATE AND SELECT WIRES, GET AND POSITION  IDENTIFICATION SLEEVE TO FIRST AND EACH ADDI-  TIONAL WIRE, CUT WIRES TO LENGTH, STRIP INSULA-  TION FROM EACH WIRE, GET AND PLACE BARREL ON  WIRES, CUT WIRES TO LENGTH, PLACE SHRINK SLEEVE  ON WIRE, CRIMP BARREL, INSPECT CRIMPED BARREL,  ALIGN SLEEVE OVER BARREL, SHRINK SLEEVE WITH  MINI-GUN, THERMOFIT CV 5300, ASIDE TOOLS, INSPECT  TERMINATION  ENDS-WITH INSPECT TERMINATION  CONDITIONS-APPLICABLE TO SEALED LAP SPLICE,  RAYCHEM D-436-59 AND SIMILAR-AN AVERAGE OF  2.86 WIRES ARE TERMINATED PER SPLICE</p>
NAA	728	MUA	SCESNAC	SWHS111	7110	<p>SPLICE/SLEEVE, INSTALL, STUB SPLICE WITH END CAP  STARTS-WITH REACH TO WIRES  INCLUDES-ALL MOTIONS NECESSARY TO LOCATE WIRES  AND EXTRACT FROM BUNDLE, POSITION  IDENTIFICATION SLEEVES, CUT WIRES TO LENGTH,  STRIP INSULATION, TWIST WIRE ENDS TOGETHER,  CRIMP TWISTED WIRES, CUT OFF EXCESS WIRE,  POSITION CAP OVER SPLICE, AND SHRINK WITH GUN  ENDS-WITH ASIDE TOOLS  CONDITIONS-AN AVERAGE OF 4.6 WIRES ARE  TERMINATED PER SPLICE, APPLICABLE TO RAYCHEM  34138 SPLICE AND D-100-12 END CAP OR SIMILAR.</p>
NAA	728	MUA	ACEAF31	SWHS112	8980	<p>SLEEVING (ZIPPERED VINYLITE), INSTALL  STARTS-WITH REACH TO SLEEVING ON RACK  INCLUDES-ALL THE MOTIONS NECESSARY TO OBTAIN  MEASURE AND CUT SLEEVING, COIL AFTER CUTTING,  UNCOIL TO INSTALL WIRES, POSITION SLEEVE OVER  CABLE, OBTAIN AND ASIDE ZIPPER TOOL, POSITION  TOOL AND ZIP ON VINYLITE TO ENGAGE, REMOVE TOOL  AND CHECK SLEEVE, POSITION CABLE TOGETHER AND  TIE, BRUSH PRIMER ON SLEEVE, MOVE ZIPPER TOOL TO  ZIP, WRAP AND GUIDE VINYLITE AROUND CABLE  ENDS-WITH ASIDE CABLE  CONDITIONS-CUT AND INSTALL ONE FOOT-NO FIXTURE</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
FFE	728	MAA	GWHMSXX	SWHSRXX	VARIABLE	<p>SLEEVING, REPLACE</p> <p>STARTS-WITH REACH TO GET WIRE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET WIRE AND POSITION REAR SLEEVING END, PUSH INTO THE SLEEVE, PUSH THROUGH AND PULL CLEAR, GET WIRE IN SLEEVING AND PULL CLEAR OF HARNESS SLEEVE, ASIDE WIRE</p> <p>ENDS-WITH WIRE IN SLEEVING OR ASIDE</p> <p>CONDITIONS-SLEEVE ONE FOOT-WIRE PULLED THROUGH SLEEVE 15 INCHES</p> <p>CASE 01 INSTALL</p> <p>02 REMOVE</p>
					182	
					121	
NAA	728	MAA	ACEAF48	SWHT101	632	<p>TERMINAL(AVIONIC CABLE), INSTALL TO CABLE ENDS</p> <p>STARTS-WITH REACH TO GET TERMINAL/CABLE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION TERMINAL TO CABLE, POSITION TERMINAL TO CRIMPEN, ACTUATE FOOT PEDAL TO CRIMP, REMOVE AND ASIDE CABLE</p> <p>ENDS-WITH CABLE ASIDE</p> <p>CONDITIONS-SEMI-AUTOMATIC MACHINE-INSTALL TO BOTH ENDS OF BONDING CABLE</p>
NAA	728	MAA	ACEAFX	SWHMCXX	VARIABLE	<p>WIRE(AVIONIC CABLE), CODE</p> <p>STARTS-WITH REACH TO GET WIRE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION WIRE TO BLOCK, ACTUATE FOOT PEDAL TO STAMP, PULL WIRE, CHECK STAMP ON WIRE, POSITION WIRE OVER PULLEY, ACTUATE FOOT PEDAL, MACHINE STAMP AND COIL WIRE SIMULTANEOUSLY, GET WIRE STRING, PLACE TO WIRE, GET END OF TIE WIRE AND TWIST, ASIDE COILED AND TIED WIRE</p> <p>ENDS-WITH ASIDE WIRE</p> <p>CONDITIONS-APPLIES TO KINGSLEY SEMI-AUTOMATIC AND AUTOMATIC MACHINE-ONE INCH TO 48 INCHES</p> <p>CASE 01 SEMI-AUTOMATIC</p> <p>02 AUTOMATIC AT 83 FEET PER MINUTE WITH KINGSLEY MODEL AUTOWIRE IV</p> <p>03 EACH 48 INCHES OVER FIRST 48 INCHES- SEMI-AUTOMATIC</p> <p>04 EACH 48 INCHES OVER FIRST 48-AUTOMATIC</p>
					800	
					680	
					100	
					80	
NAA	728	MAA	SCEW101	SWHNL01	390	<p>WIRE, LOCATE AND SEPARATE FROM BUNDLE</p> <p>STARTS-WITH READ PRINT OR SCHEMATIC TO DETERMINE WIRE NUMBER</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO LOCATE WIRE IN BUNDLE, PULL END OF WIRE ASIDE AND READ CODE</p> <p>ENDS-WITH RELEASE OF WIRE</p> <p>CONDITIONS-WIRES NOT CONNECTED AT EITHER END</p>
NAA	728	MAA	ACEAFX	SWHWMXX	VARIABLE	<p>WIRE, MEASURE AND CUT</p> <p>STARTS-WITH CHECK LIST FOR WIRE SIZE AND LENGTH</p> <p>INCLUDES-ALL MOTIONS NECESSARY TO SELECT WIRE SIZE FROM RACK, MEASURE TO LENGTH, POSITION WIRE IN CUTTER, ACTUATE FOOT PEDAL TO CUT WIRE, POSITION WIRE IN COIL FORM, ASIDE WIRE</p> <p>ENDS-WITH ASIDE WIRE</p> <p>CASE 01 CUT TO 48 INCHES</p> <p>02 CUT OVER 48 INCHES</p>
					647	
					737	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	727	NAA	SLPCR35	SDACR01	5480	<p>CARBON PILE, REPLACE</p> <p>STARTS-WITH REACH TO ADJUSTMENT COVER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE ADJUSTMENT COVER, REPOSITION UNIT, GET TOOL AND REMOVE ADJUSTMENT SCREW, ASIDE TOOL AND SCREW, GET AND INSTALL ROD IN CARBON PILE, INVERT AND REMOVE PILE, ASIDE, ASIDE REGULATOR, PICK UP AND EXAMINE PILE, GET CONTAINER AND PLACE PILE IN CONTAINER, REMOVE ROD, PUT CAP ON CONTAINER AND ASIDE, REACH AND GET PACKAGED CARBON PILE, REMOVE CAP FROM CONTAINER, PLACE ROD IN CARBON PILE HOLE, REPOSITION CONTAINER, REMOVE PILE, ASIDE CONTAINER, GET REGULATOR AND FIT AND POSITION PILE IN REGULATOR, REMOVE ROD FROM PILE, INSTALL ADJUSTMENT SCREW AND COVER, ASIDE REGULATOR</p> <p>ENDS-WITH ASIDE REGULATOR</p>
NF	739	TUA	PWJ-4	KCL80XX	VARIABLE	<p>BLIND(VENETIAN), DISASSEMBLE AND ASSEMBLE</p> <p>STARTS-WITH REMOVE BLIND FROM WINDOW</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE BLIND FROM WINDOW, DISMANTLE BLIND ON BENCH, CLEAN ALL PARTS AND FITTINGS IN CLEANING ROOM, OR HUNG WITHOUT DISMANTLING AND STEAM CLEANED, DRY BY PLACING PARTS OR HANGING ON DRYING RACK, REMOVE FROM RACK WHEN DRY, REASSEMBLE OR CLOSE UP, CORD IS WRAPPED AROUND BLIND, MOVED TO WINDOW AND REMUNG</p> <p>ENDS-WITH BLIND REMUNG</p> <p>CONDITIONS-TRAVEL TIME TO CLEANING ROOM IS NOT INCLUDED-DISMANTLED BLINDS ARE WASHED AND RINSED IN TANKS-ASSEMBLED BLINDS ARE SPRAY CLEANED WITH A STEAM JENNY IN A SPRAY BOOTH-APPLIES-METAL SLAT BLINDS-40 TO 60 SLATS, 40 TO 60 INCHES LONG</p> <p>90390 CASE 01 BLINDS REMOVED AND REPLACED IN WINDOW WITH NO LADDER USED-FURNITURE NOT MOVED-DISASSEMBLED TO CLEAN</p> <p>18040 02 BLINDS REMOVED AND REPLACED IN WINDOW WITH NO LADDER USED-FURNITURE NOT MOVED-STEAM CLEANED WITHOUT DISASSEMBLY</p> <p>98900 03 BLINDS REMOVED AND REPLACED IN WINDOW USING LADDER-FURNITURE MOVED-DISASSEMBLED TO CLEAN</p> <p>26550 04 BLINDS REMOVED AND REPLACED IN WINDOW USING LADDER-FURNITURE MOVED-STEAM CLEANED WITHOUT DISASSEMBLY</p>
NF	739	MAF	66	MOACI01	592	<p>CORD(VENETIAN BLIND, RAISING), INSTALL</p> <p>STARTS-WITH REACH TO CORD ON REEL</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET END OF CORD FROM REEL, PULL ALONG TABLE TO HEAD OF BLIND, PULL CORD OFF REEL, MOVE CORD END TO HOLE IN HEADER, FEED CORD THROUGH HOLE, GET END WITH RIGHT HAND, POSITION BETWEEN HEAD AND LIFT, PULL OUT, GET AND MOVE CORD END TO TILT RAIL HOLE WITH LEFT HAND, GET END WITH RIGHT HAND AND POSITION BETWEEN RAIL AND SLAT, GET END AND PULL OUT</p> <p>ENDS-WITH CORD IN HAND</p> <p>CONDITIONS-DOES NOT INCLUDE CUTTING THE CORD-INCLUDES WALKING TO AND FROM END OF TABLE TO GET CORD ON REEL</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	739	MAF	61	MDACT01	102	CORD(BLIND, VENETIAN), THREAD THRU OPENING IN SLATS STARTS=WITH REACH TO CORD INCLUDES=ALL THE MOTIONS NECESSARY TO GRASP CORD WITH LEFT HAND, GRASP TWO SLATS WITH RIGHT HAND, MOVE CORD END TO HOLE IN END OF SLATS, FEED CORD THRU HOLE, PULL CORD ENDS=WITH MOVE CORD END TO OTHER HAND CONDITIONS=TIME IS TO MOVE CORD PER TWO SLATS
NF	739	MAF	63	SDACI01	1574	CORD(PULL AND TILTING), INSTALL IN VENETIAN BLIND STARTS=WITH SIMO REACH TO TILTING CORD ENDS INCLUDES=ALL THE MOTIONS NECESSARY TO GET TILT CORD ENDS, EVEN CORDS, THREAD OVER TILT WHEEL INTO GUIDES AND SEAT, PULL CORDS DOWN TABLE AND RELEASE ON TABLE, GET PULL CORDS, FEED THROUGH PULL, MAKE KNOT, TIGHTEN, PULL ALONG TABLE, LOOSEN BOW KNOT, MOVE AROUND TABLE, GET BOTTOM RAIL, REMOVE FROM STOP TO TABLE, RELEASE ENDS=WITH RELEASE BOTTOM RAIL ON TABLE CONDITIONS=APPLIES TO WOOD OR METAL BLINDS=40 TO 60 INCHES LONG=INCLUDES WALKING AROUND AND ALONG WORK TABLE AS REQUIRED
NF	739	MAF	210	SDARA01	165	RAIL(VENETIAN BLIND, TILT), ATTACH TO HEAD RAIL STARTS=WITH REACH TO GET TILT RAIL INCLUDES=ALL THE MOTIONS NECESSARY TO GRASP AND RAISE TILT RAIL, TOSS STRAPS OVER HEAD RAIL, POSITION TILT RAIL TO LEFT HEAD MECHANISM, TILT TO RIGHT CATCH, POSITION TILT RAIL IN CATCH AND RELEASE RAIL, GRASP RIGHT CATCH AND CLOSE, MOVE TILT RAIL TO LEFT HEAD MECHANISM, POSITION OVER RECESS, TURN ROLLER, RIGHT HAND TO CENTER CATCH AND CLOSE, RELEASE CATCH WITH RIGHT HAND ENDS=WITH RELEASE CATCH(CENTER), TILT RAIL END IN LEFT HAND
NF	739	MAF	211	SDARD01	227	RAIL(VENETIAN BLIND, TILTING), DETACH AND POSITION TO RECEIVE TAPES STARTS=WITH REACH TO RIGHT LATCH ON HEAD INCLUDES=ALL THE MOTIONS NECESSARY TO REACH TO AND UNLATCH RIGHT HEAD LATCH, REACH TO AND UNLATCH CENTER LATCH, REACH TO TILTING MECHANISM AND ROTATE TO REMOVAL POSITION(THREE TIMES=RIGHT, CENTER, LEFT LATCHES), DISENGAGE RAIL AND PLACE RAIL IN FRONT OF OPERATOR ENDS=WITH RELEASE RAIL
NF	739	MAF	253	SDASI01	199	SLATS(VENETIAN BLIND), INSERT IN LADDERS ON TAPE STARTS=WITH REACH TO GET SLAT INCLUDES=ALL THE MOTIONS NECESSARY TO GET A SLAT, SIDESTEP(ONE STEP) TO WORK POSITION, PLACE SLAT BETWEEN LADDERS, MOVE SLAT BETWEEN LADDERS OF NEXT TWO TAPS, MOVE TO FINAL POSITION ENDS=WITH RELEASE SLAT
NAA	739	NAA	SUPSF19	SDPCDXX	VARIABLE	CORD/BELT/STRAP, DIP IN WAX STARTS=WITH REACH TO ON/OFF SWITCH INCLUDES=ALL THE MOTIONS NECESSARY TO TURN SWITCH ON AND OFF, REMOVE WAX POT COVER, STEP TO GET AND ASIDE MATERIAL, DIP MATERIAL INTO WAX, REMOVE AND ASIDE, REPLACE COVER ON POT ENDS=WITH COVER ON WAX POT CONDITIONS=WALK TO AND FROM WAX POT NOT INCLUDED CASE 01 FIRST DIP=PER DIP 02 EACH ADDITIONAL DIP=PER DIP

428  
154



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	739	TUA	SUPSFXX	SFABIXX	VARIABLE	<p>BUTTON(JIFFY),INSTALL TO BLANKET  STARTS-WITH TURN TO GET BOX OF JIFFY BUTTONS  INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP  BOX OF BUTTONS,PLACE ON WORK BENCH,OBTAIN  NEEDLE FOR BUTTON INSTALLATION,OBTAIN PATCHES  AND GLUE,OPEN AND CLOSE GLUE CONTAINER,TURN TO  GET ROLL OF PATCH MATERIAL,UNROLL,GET SCISSORS  AND CUT MATERIAL,PLACE MATERIAL ON CUTTING  BLOCK,PUNCH OUT 10 PATCHES,ASIDE SCRAP,RAISE  BLANKET,POSITION AND PUSH NEEDLE 1/2 WAY  THROUGH BLANKET,POSITION BUTTON STRAP PIN IN  NEEDLE,PULL NEEDLE THROUGH BLANKET WITH STRAP  AND DISENGAGE STRAP FROM NEEDLE,ASIDE NEEDLE,  GET PATCH,APPLY ADHESIVE TO BUTTON PIN AREA  OF BLANKET AND TO PATCH,POSITION AND SECURE  PATCH TO BLANKET  ENDS-WITH APPLY PRESSURE TO PATCH  CONDITIONS-ADHESIVE,SILICONE,RTV-106(8040-902-  3871) WALKING TO GET MATERIALS NOT INCLUDED  CASE 01 FIRST OR SINGLE PATCH  02 ADDITIONAL PATCH</p>
					2064 1200	
NAA	739	MAA	SUPSFAX	SFAFI01	810	<p>FASTENER(BUTTON AND SOCKET OR STUD AND  EYELET),INSTALL  STARTS-WITH REACH TO GET FASTENER  INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION  FASTENER TO LOWER DIE,POSITION BLANKET TO  FASTENER,POSITION SOCKET OR STUD TO BUTTON OR  EYELET,SET FASTENER TO BLANKET,ASIDE BLANKET  AND CHECK INSTALLATION  ENDS-WITH CHECK INSTALLATION(VISUAL)  CONDITIONS-APPLICABLE TO AN227 OR MS2798U  FASTENERS AND SIMILAR-INSTALLED WITH HAMMER  AND DIE SET-DOES NOT INCLUDE PUNCH HOLE-SEE  OCCUPATION CODE 781 FOR HOLE PUNCHING</p>
NAA	739	MAA	SUPSFXX	SFAFPXX	VARIABLE	<p>FILLER(SOUND PROOFING BLANKET),PLACE IN WRAP  STARTS-WITH REACH TO GET WRAP(MYLAR)  INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND  MOVE MYLAR SHEET TO WORK AREA,APPLY SPRAY  ADHESIVE TO ONE SIDE OF FILLER AND MYLAR WRAP,  GET FILLER,TURN OVER AND PLACE ON WRAP,PRESS  TO SEAT,APPLY SPRAY ADHESIVE TO UP SIDE OF  FILLER AND TO WRAP(SIX PLACES),PLACE MYLAR  WRAP ON FILLER,PRESS MYLAR TO SEAT  ENDS-WITH PRESS MYLAR TO SEAT  CONDITIONS-INSULATION FILLER,FIBERGLASS,MIL-B-  5924 TYPE 1 OR AA-SPRAY ADHESIVE,3M 8040-902-  0275-PLACE THREE SQUARE FEET(BOTH SIDES)  CASE 01 FIRST OR ONLY THREE SQUARE FEET  02 EACH ADDITIONAL THREE SQUARE FEET  03 ADD ADDITIONAL LAYER TO ORIGINAL  FILLER-FIRST OR ONLY-THREE SQUARE FEET  04 ADD ADDITIONAL LAYER TO ADDITIONAL  ORIGINAL FILLER-ADDITIONAL THREE  SQUARE FEET</p>
					2270 1950 1040 960	
NAA	739	MAA	SUPSFAD	SFAGI01	981	<p>GROMMET,INSTALL IN SOUND PROOFING BLANKET  STARTS-WITH REACH TO GET GROMMET  INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND  POSITION GROMMET TO LOWER DIE SET,POSITION  BLANKET OVER GROMMET AND WASHER OVER BLANKET,  POSITION TOP CAP DIE OVER WASHER,GET HAMMER  AND SET GROMMET,REMOVE TOP DIE CAP AND  BLANKET FROM LOWER DIE SET,CHECK GROMMET  INSTALLATION  ENDS-WITH CHECK INSTALLATION(VISUAL)  CONDITIONS-APPLICABLE TO AN230 OR MS2025U  GROMMET OR SIMILAR-SET WITH FOUR HAMMER BLOWS</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TNU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	739	MAF	64	SGMCM01	1951	CORD(VENETIAN BLIND,PULL AND TILTING),MEASURE AND CUT STARTS-WITH REACH TO CORD ON REEL INCLUDES-ALL THE MOTIONS NECESSARY TO GET CORD AND MOVE ALONG TABLE TO HEADBOARD,GET SCISSORS AT END OF TABLE,CUT CORD,LAY ASIDE RAISING CORD,GET CORD END,MEASURE ALONG TABLE,MOVE BACK AND GET SCISSORS,CUT CORD,ASIDE SCISSORS AND TILT CORD,GET RAISING CORD END,PUT THROUGH OUTER HOLE HEADER,PULL THROUGH AND PUT END BACK THROUGH HOLE,MOVE CORD LOOP ALONG TABLE TO HEADBOARD,PUT CORD END THROUGH HEADBOARD,PUT CORD END THROUGH HEADBOARD HOLE, PULL THROUGH AND TIGHTEN,PUT THROUGH SECOND HEADBOARD HOLE AND PULL,MOVE CORD END TO LIFT RAIL HOLE AND PULL THROUGH,PUT TILT CORD THROUGH TILT RAIL HOLE,PULL,RELEASE ENDS-WITH CORD RELEASED
NF	739	MAF	254	MITSG01	52	SPACING(VENETIAN BLIND ASSEMBLY),GAUGE STARTS-WITH TILT RAIL IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO RELEASE RAIL,REACH TO LADDER SPACE,INSERT FINGERS INTO SPACE,OPEN LADDER,MOVE TO EXAMINE FIT,TEST BY SMALL EXTENSION OF FINGERS,RELEASE RIGHT HAND ENDS-WITH RELEASE RIGHT HAND,TURN 120 DEGREES WITH LEFT HAND
NAA	739	MAA	SUPSF02	SJPBP01	1444	BLANKET(SOUND PROOFING),PREPARE TO SEW STARTS-WITH REACH TO BENCH DRAWER INCLUDES-ALL THE MOTIONS NECESSARY TO REACH TO AND OPEN DRAWER,GET SCISSORS AND POSITION IN SCABBARD,CLOSE DRAWER,OBTAIN AND PUT ON SAFETY GLASSES AND APRON,REMOVE GLASSES AND APRON, OPEN DRAWER,ASIDE SCISSORS TO DRAWER,CLOSE DRAWER ENDS-WITH PROTECTIVE DEVICES AND SCISSORS ASIDE
NAA	739	MAA	SUPSFAB	SJPPF01	1043	FASTENER(SNAP OR GROMMET),PREPARE TO INSTALL STARTS-WITH LOOK TO LOCATE FASTENER INCLUDES-ALL THE MOTIONS NECESSARY TO LOCATE FASTENERS,REACH TO GET SUPPLY OF FASTENERS, GET ATTACHING DIES,GET HAMMER,ASIDE HAMMER, EXCESS FASTENERS AFTER INSTALLATIONS ENDS-WITH ASIDE HAMMER AND EXCESS FASTENERS CONDITIONS-APPLICABLE TO AN227 OR MS27980 FASTENERS OR AN230 GROMMETS AND SIMILAR-WALK TO GET FASTENERS FROM STORAGE NOT INCLUDED
NF	739	MAF	12	SNFBS01	998	BLIND(VENETIAN),SECURE FOR TRANSPORTING STARTS-WITH REACH TO CORD INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP CORD WITH RIGHT HAND AND HEADBOARD WITH LEFT HAND,HOLD HEADBOARD,PULL CORD TO DRAW BLIND, WRAP CORD,RUN THRU HOLE,RUN CORD THRU LOOP, TIGHTEN,WRAP AROUND BLIND ENDS-WITH RELEASE OF CORD AND BLIND CONDITIONS-INCLUDES WALKING AROUND AND ALONG WORK TABLE AS REQUIRED
NF	739	MAF	414	MOHBH01	230	BLIND(VENETIAN),HANG IN SPRAY BOOTH OR ON DRYING RACK WITH SIX-INCH DIAMETER LOOPS STARTS-WITH BLIND IN HAND INCLUDES-ALL MOTIONS NECESSARY TO WALK FIVE PACES TO BOOTH OR RACK,PLACE LOOP OVER ONE END OF BLIND,REVERSE HOLD IN BLIND,PLACE LOOP OVER OTHER END,GET CORD,AND RELEASE AND LOWER BLIND ENDS-WITH RELEASE OF CORD



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	739	MAF	418	MOH8R01	107	BLIND(VENETIAN), REMOVE FROM SPRAY BOOTH STARTS-WITH SIMO REACH TO BLIND AND LOOP INCLUDES-ALL MOTIONS NECESSARY TO REMOVE LOOP FROM ONE END OF BLIND, REVERSE HOLD ON BLIND, AND REMOVE LOOP FROM OTHER END ENDS-WITH BLIND IN HAND
NF	739	MAF	3274	MOHRP01	50	RAIL(VENETIAN BLIND-BOTTOM), PLACE ON FOLDED TAPES(ON HEAD RAIL) STARTS-WITH REACH TO BOTTOM RAIL INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP RAIL, MOVE TO TOP OF TAPES, POSITION RAIL ON TAPES, RELEASE RAIL ENDS-WITH RELEASE RAIL
NF	739	MAF	419	MOHSM01	116	SLATS(VENETIAN BLIND), MOVE FROM DRYING RACK TO RINSE TANK STARTS-WITH REACH TO SLATS INCLUDES-ALL MOTIONS NECESSARY TO GET TWO SLATS, MOVE APPROXIMATELY 30 INCHES, AND POSITION ON OTHER SLATS ENDS-WITH RELEASE OF SLATS
NF	739	MAF	3277	MOHTP01	236	TAPE(VENETIAN BLIND), POSITION ON HEAD RAIL STARTS-WITH REACH TO BUNDLE OF TAPES INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP BUNDLE, MOVE TO WORK AREA, GET ONE TAPE IN LEFT HAND, SHAKEOUT, MOVE TAPE TO LEFT OF HEAD RAIL AND RELEASE, GET NEXT TAPE, SHAKEOUT, MOVE TO CENTER OF HEAD RAIL, RELEASE, GET LAST TAPE, PLACE ON HEAD RAIL AND RELEASE ENDS-WITH RELEASE LAST TAPE ON HEAD RAIL CONDITIONS-THREE TAPES PLACED ON HEAD RAIL
NF	739	MAF	3278	MOHTP02	137	TAPE(VENETIAN BLIND), POSITION ON TILT RAIL STARTS-WITH REACH TO TAPE ON HEAD RAIL INCLUDES-ALL THE MOTIONS NECESSARY TO GET TAPE ON HEAD RAIL WITH RIGHT HAND AND MOVE TAPE TO WORK AREA, OPEN TAPE FLAPS WITH LEFT HAND, MOVE TAPE TO TILT RAIL AND POSITION, HOLD TAPE AND RAIL, FOLD TAPE FLAPS AND HOLD WITH LEFT HAND ENDS-WITH TAPE AND RAIL HELD WITH RIGHT HAND, TAPE FLAPS HELD TOGETHER WITH LEFT HAND
NF	739	MAF	412	SOHBC01	1016	BLIND(VENETIAN), CLOSE UP STARTS-WITH SIMO REACH TO HEADBOARD AND PULL CORD INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND HOLD HEADBOARD IN LEFT HAND, GRASP AND PULL CORD WITH RIGHT HAND, REGRASP BLIND WITH LEFT HAND AND WRAP CORD AROUND END OF BLIND, RELEASE LEFT HAND PUT FINGER UNDER WRAPPED CORD, FORCE END OF CORD THROUGH HOLE, FORCE CORD UNDER WRAPPED CORD TO HOLD, MOVE CORD END THROUGH LOOP AND PULL TIGHT, TURN BLIND AROUND, RELEASE CLOSED BLIND ENDS-WITH RELEASE BLIND CONDITIONS-INCLUDES WALK AROUND TABLE AS REQUIRED
NF	739	MAF	4062	SOHP001	988	PARTS(VENETIAN BLINDS), OBTAIN, MOVE TO TABLE STARTS-WITH REACH TO TAPED BLIND INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP AND PLACE TAPED BLIND ON ASSEMBLY TABLE, REACH AND GET BOTTOM RAIL, MOVE TO POSITIONING STOP ON TABLE, PICK UP HEADBOARD, MOVE ALONG TABLE, PULL CORD TIGHT, MOVE TIE CORD TO HEAD BOARD, TIE AND PULL TIGHT ENDS-WITH RELEASE AFTER TYING CONDITIONS-INCLUDES WALK TO GET PART AND RE- TURN AND WALKING AROUND AND ALONG TABLE AS REQUIRED



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	739	MAA	SUPSFXX	SPTMSXX	VARIABLE	<p>MATERIAL(SOUND PROOFING BLANKET),SEW STARTS=WITH KNEE MOVE TO LIFT PRESSURE FOOT INCLUDES=ALL THE MOTIONS NECESSARY TO LIFT PRESSURE FOOT,POSITION MATERIAL UNDER THROAT PLATE,TURN HAND WHEEL TO LOWER NEEDLE,ALIGN SEAMS ON MATERIAL,ENGAGE NEEDLE IN MATERIAL, SEW SIX LINEAR INCHES,SLOW MACHINE,STOP,TURN HAND WHEEL TO RAISE NEEDLE,LIFT PRESSURE FOOT, MOVE MATERIAL FROM THROAT PLATE,GET SCISSORS AND CUT NEEDLE AND BOBBIN THREAD,TRIM NEEDLE AND BOBBIN THREAD AT START OF SEW,ASIDE SCISSORS AND MATERIAL ENDS=WITH ASIDE SCISSORS</p> <p>1500 CASE 01 SEW FIRST SIX INCHES 640 02 SEW ADDITIONAL SIX INCHES=CHANGE 463 DIRECTION 03 SEW ADDITIONAL SIX INCHES=NO DIRECTION CHANGE</p>
NF	739	MAF	266	MTLTC01	277	<p>TAPE(VENETIAN BLIND=FIRST SLAT),CUT STARTS=WITH REACH TO GET TAPE INCLUDES=ALL THE MOTIONS NECESSARY TO PICK UP TAPE,MOVE IT TO LEFT HAND,SMOOTH WITH RIGHT HAND,GET SCISSORS AND CUT TAPE,ASIDE SCISSORS, SEPARATE TAPE HALVES,GET SCISSORS AND CUT LADDER,MOVE SCISSORS TO OTHER HALF AND CUT SECOND LADDER,ASIDE SCISSORS ENDS=WITH ASIDE SCISSORS TO TABLE</p>
NAA	739	MAA	SUPSF21	STPSCXX	VARIABLE	<p>STRAP(NYLON),CUT TO LENGTH STARTS=WITH REACH TO STRAP AT END OF ROLL INCLUDES=ALL THE MOTIONS NECESSARY TO REMOVE STRAP FROM END OF ROLL,LAY OUT LENGTH OF STRAP AND MEASURE,MARK LENGTH AND PLACE STRAP IN HOT WIRE CUTTER,CUT STRAP,EXAMINE STRAP ENDS ENDS=WITH EXAMINE STRAP ENDS,ASIDE STRAP(S)</p> <p>860 CASE 01 CUT FIRST OR SINGLE LENGTH 740 02 CUT EACH ADDITIONAL LENGTH</p>
NF	74X	MAF	1815	MJPSP01	203	<p>STENCIL,PLACE ON WALL STARTS=WITH STOOP TO GET STENCIL INCLUDES=ALL THE MOTIONS NECESSARY TO STOOP DOWN,GET STENCIL,STAND UP,POSITION STENCIL TO WALL,ALIGN TO MARK OR VISUALLY,APPLY PRESSURE WITH LEFT HAND TO HOLD STENCIL TO WALL,RELEASE WITH RIGHT HAND ENDS=WITH STENCIL HELD TO WALL</p>
NF	74X	MAF	3017	MOHLP01	151	<p>LETTERS(SET-METAL STENCIL),PUT IN CASE STARTS=WITH REACH TO SET OF LETTERS INCLUDES=ALL THE MOTIONS NECESSARY TO PICK UP SET,JOISTLE TO ALIGN,MOVE SET TO CASE AND DROP IN,RELEASE SET ENDS=WITH RELEASE SET OF LETTERS IN CASE CONDITIONS=SET OF TWO,THREE OR FOUR INCH LETTERS</p>
NO	740	MAO	LAIT-6	MCLPW01	265	<p>PAINT(EXCESS),WIPE OFF AFTER STAMPING AND PAINT APPLIED STARTS=WITH PART IN LEFT HAND INCLUDES=ALL THE MOTIONS NECESSARY TO GET TOWEL,WIPE OVER IMPRESSIONS,RELEASE PART,GET CAN OF THINNER,POUR THINNER ON TOWEL,ASIDE CAN AND GRASP PART,WIPE PART,RELEASE PART AND ASIDE TOWEL ENDS=WITH ASIDE TOWEL</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	740	MAF	1736	MPALPXX	VARIABLE	LETTER(STENCIL),PAINT WITH BRUSH STARTS-WITH BRUSH IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO DIP BRUSH INTO PAINT,WIPE OFF EXCESS PAINT ON LIP OF CAN,MOVE BRUSH TO LETTER,PAINT LETTER,LIFT BRUSH TWO INCHES AFTER PAINTING ENDS-WITH BRUSH READY FOR NEXT OPERATION 146 CASE 01 PAINT 1/2,3/4 AND 1 3/4 INCH LETTER, PAPER STENCIL 317 02 PAINT TWO,THREE AND FOUR INCH LETTER, METAL STENCIL 609 03 PAINT 8-1/2 LETTER,CARDBOARD STENCIL
ND	740	MAO	LAIS-6	MPAPA01	356	PAINT,APPLY TO FILL METAL STAMPING STARTS-WITH REACH TO GET BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO GET BRUSH,DIP IN PAINT,WIPE OFF EXCESS,APPLY PAINT TO FILL IMPRESSIONS,ASIDE BRUSH ENDS-WITH ASIDE BRUSH CONDITIONS-IMPRESSIONS IN ONE BY THREE INCH AREA
NAA	75X	MAA	SPSSMO1	STPHCXX	VARIABLE	HOLES,CUT IN RUBBER SEAL WITH DRILL STARTS-WITH REACH TO SEAL INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE FINGERS ALONG EDGE OF SEAL TO LOCATE HOLES, APPLY PRESSURE TO IMPRINT HOLE LOCATION,GET AIR DRILL AND POSITION,START MOTOR,CUT HOLE IN SEAL,REMOVE TOOL FROM HOLE,REMOVE RUBBER DEBRIS,ASIDE TOOL ENDS-WITH ASIDE TOOL 339 CONDITIONS-SEALS TO 1/16 INCH THICK 248 CASE 01 FIRST OR SINGLE HOLE 02 EACH ADDITIONAL HOLE
NAA	754	MAA	SFGRE1B	SCLCC01	1026	CUP(RESIN MIXING),CLEAN STARTS-WITH REACH TO ACETONE CAN LID INCLUDES-ALL THE TIME NECESSARY TO REMOVE LID FROM ACETONE CAN,GET BRUSH OUT OF CUP,IMMERSE CUP IN ACETONE,BRUSH CUP(INTERIOR)TO CLEAN, CHECK CUP,CLOSE ACETONE CAN,REMOVE BRUSH FROM CUP,DUMP CUP,WIPE CUP WITH BRUSH,WIPE BRUSH ON SIDE OF CONTAINER,ASIDE CUP,GET CLOTH,DIP IN ACETONE,WIPE BRUSH WITH CLOTH,ASIDE BRUSH, WIPE HANDS,ASIDE CLOTH ENDS-WITH ASIDE CLOTH



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	754	MAA	SFGMBV1	SFAMB01	30200	<p>MATERIAL,BOND WITH VACUUM PRESSURE AND HEAT LAMPS</p> <p>STARTS-WITH REACH TO GET VACUUM PUMP</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP PUMP AND ASIDE AT WORK BENCH,GET VACUUM GAUGE, VACUUM LINE AND HEAT LAMPS AND ASIDE AT WORK BENCH,GET CHEESECLOTH AND SCISSORS,CUT CLOTH AND ASIDE SCISSORS,GET MYLAR FILM AND SCISSORS AND CUT MYLAR,ASIDE SCISSORS,MYLAR AND CHEESE- CLOTH,GET AND ASIDE CAN OF CHROMATE CLAY,UN- COIL AND COIL PUMP AND GAUGE HOSE,PLUG AND UN- PLUG PUMP AND GAUGE HOSES,PLUG AND UNPLUG PYROMETER AND LAMPS,OPEN AND CLOSE CLAY CAN, BENCH,GET CHEESECLOTH AND SCISSORS,CUT CLOTH GET MYLAR,CHEESECLOTH AND SCISSORS,TRIM MYLAR AND CHEESECLOTH,ASIDE,REMOVE CLAY FROM CAN AND ROLL ON TABLE TOP,POSITION CLAY ROLL,POSITION CHEESECLOTH TO TABLE,GET ROLLING TOOL AND POSITION TO EDGE OF CLOTH AND CLAY,ROLL EDGES TO SEAL,ASIDE ROLLING TOOL AND POSITION VACUUM TO SHEATH(CHEESECLOTH)POSITION THERMOCOUPLE TO CHEESECLOTH SHEATH,GET AND POSITION MYLAR TO SHEATH,ROLL EDGES TO SEAL TO CLAY AND CLOTH,ASIDE ROLLING TOOL,INSPECT EDGES AND POSITION HEAT LAMPS,START AND STOP ALL EQUIP- MENT,TURN HEAT LAMPS ON AND OFF,SMOOTH MYLAR FILM ON PART BEING BONDED,CHECK FOR AIR POCKETS,REMOVE FILM FROM PART,REMOVE AND ASIDE CHEESECLOTH,REMOVE CLAY AND ASIDE TO CAN,CLEAN EXCESS CLAY FROM BENCH TOP,REMOVE AND ASIDE THERMOCOUPLES,VACUUM TUBE</p> <p>ENDS-WITH ASIDE THERMOCOUPLE AND VACUUM TUBE</p> <p>CONDITION-DOES NOT INCLUDE WALKING TO GET AND RETURN EQUIPMENT AND SUPPLIES-CHEESECLOTH TO 48 INCHES,MYLAR FILM TO 60 INCHES-TRIM TO APPROXIMATE 4X5 FEET-SEAL EDGES 18 LINEAR FEET-DOES NOT INCLUDE POSITIONING OF PART TO CHEESECLOTH AND CHROMATE CLAY-DOES NOT INCLUDE CURING,VACUUM PUMP DOWN TIME</p>
NAA	754	MAA	AFGDI01	MITFE01	2760	<p>FIBERGLASS(HONEYCOMB-DAMAGED),EXAMINE,SOUND AND MARK</p> <p>STARTS-WITH MOVE AND TAP</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE AND TAP AREA(ALTERNATE FOUR SQUARE INCH AREA), RETAP DULL SOUND AREA,EXAMINE VISUALLY,MARK DAMAGED AREA</p> <p>ENDS-WITH AREA MARKED</p> <p>CONDITIONS-APPLIES TO HONEYCOMB CONSTRUCTION FIBERGLASS PART-SOUND AND MARK ONE SQUARE YARD</p>
NAA	754	EUA	SFGRE1X	SJPBFXX	VARIABLE	<p>BOTTLE(SQUEEZE),FILL</p> <p>STARTS-WITH REACH TO GET SQUEEZE BOTTLE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP SQUEEZE BOTTLE IN STORAGE,ASIDE AT WORK AREA, GET CONTAINER OF COMPOUND,OPEN CONTAINER,OPEN SQUEEZE BOTTLE,POUR COMPOUND INTO SQUEEZE BOTTLE,CLOSE CONTAINER AND SQUEEZE BOTTLE, RETURN COMPOUND TO CABINET,ASIDE SQUEEZE BOTTLE IN WORK AREA</p> <p>ENDS-WITH ASIDE SQUEEZE BOTTLE</p> <p>CONDITIONS-DOES NOT INCLUDE WALKING TO OR FROM STORAGE AREA</p> <p>4160 CASE 01 FILL BOTTLE WITH RESIN(SELECTRON, P55004)</p> <p>2060 02 FILL BOTTLE WITH INTERFILL 110- GASTOP WITH 1/4" DIAMETER STAINLESS STEEL PERMITS</p>



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	754	MAA	AFGGD00	SJPGP01	760	GUN(SPRAY),PREPARE AND FILL STARTS-WITH REACH TO AIR HOSE CONNECTOR INCLUDES-ALL THE MOTIONS NECESSARY TO CONNECT NOZZLE TO SPRAY GUN,FILL GUN WITH RESIN AND THINNER,DISCONNECT AIR HOSE ENDS-WITH DISCONNECT AIR HOSE CONDITIONS-DOES NOT INCLUDE SPRAYING MIXTURE TO GLAZE
NAA	754	MAA	SPSPM01	SJPGSXX	VARIABLE	GUIDE(DRILL),SET UP AND ASIDE STARTS-WITH REACH TO GET GUIDE INCLUDES-ALL THE MOTIONS NECESSARY TO GET GUIDE LYING JUMBLED IN A GROUP ON BENCH TOP, POSITION GUIDE TO HOLE,REMOVE GUIDE AND ASIDE TO SET CONTAINER ENDS-WITH ASIDE GUIDE CASE 01 FIRST OR SINGLE HOLE 02 EACH ADDITIONAL HOLE
					280 111	
NAA	754	MAA	AFGLJHI	SJPHL01	8186	HONEYCOMB,LAYOUT AND PREPARE TO REPAIR STARTS-WITH REACH TO GET TOOL(S) INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND ASIDE CHISEL(OR EQUIVALENT),DRILL MOTOR, MALLET,SCRIBE AND ROTARY FILE,ATTACH AND DE- TACH DRILL MOTOR,CHUCK AND UNCHUCK ROTARY FILE,GET HONEYCOMB,SET UP BANDSAW,CUT HONEY- COMB TO WIDTH AND THICKNESS,GET SCISSORS OR KNIFE AND CUT HONEYCOMB TO SIZE OF DAMAGED AREA,GET AND BLOW OFF DUST WITH AIR NOZZLE OR VACUUM ENDS-WITH ASIDE AIR NOZZLE OR VACUUM
NAA	754	MAA	SFGRH02	SJPHS01	465	HEAT LAMP(FIBERGLASS REPAIR),SET UP TO HEAT CURE STARTS-WITH REACH TO REPAIRED ASSEMBLY INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP REPAIRED ASSEMBLY AND PLACE ON CURING BENCH, GET HEAT LAMPS AND POSITION FOR USE,CONNECT AND DISCONNECT LAMP,ASIDE LAMP,RETURN ASSEMBLY TO WORKBENCH ENDS-WITH ASSEMBLY ON WORKBENCH CONDITIONS-DOES NOT INCLUDE CURE TIME;DOES NOT INCLUDE WALK FROM BENCH TO CURE TABLE AND RE- TURN
NAA	754	MAA	AFGLJCI	SJPLLXX	VARIABLE	LAMINATE(CLOTH),LAYOUT AND PREPARE TO REPAIR STARTS-WITH REPOSITION OBJECT(PART) INCLUDES-ALL THE MOTIONS NECESSARY TO RE- POSITION PART TO EXAMINE OPPOSITE SIDE,GET AND SET UP TOOLS,GET PENCIL,GET STRAIGHT EDGE AND MASKING TAPE,CHANGE DRILL MOTOR TOOLS, LAYOUT DAMAGED AREA UP TO TWO SQUARE INCHES, (INCLUDES OVERLAPS FOR UP TO THREE LAYERS OF CLOTH),INSTALL MASKING TAPE(FOUR PIECES),RE- MOVE TARE,GET,PUT ON AND ASIDE SAFETY GOGGLES AND MASK,GET AND ASIDE SANDERS(ATTACH AND DE- TACH),GET AND ASIDE AIR NOZZLE OR VACUUM,CLEAN DUST OFF REPAIR AND CLOTHING,GET TOOLS AND CLOTH,CUT CLOTH TO SIZE,ASIDE SCISSORS,CLOTH AND SCRAP,GET,MIX AND ASIDE RESIN,SET UP AND FINAL REMOVE AIR. ENDS-WITH ALL TOOLS ASIDE CONDITIONS-DOES NOT INCLUDE WALKING TO GET ROSIN MIXTURE CASE 01 HONEYCOMB CONSTRUCTED FIBERGLASS PART 02 PLAIN LAMINATE CONSTRUCTED PART
					16920 10900	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	754	MAA	AFGSJ0A	SJPRM01	1211	RESIN, MIX STARTS-WITH REACH TO CUP OR STIRRING TOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET MIXING CUP AND STIRRING TOOL, GET AND ASIDE BRUSH, PLACE CUP TO TAP, ACTUATE TAP, POUR RESIN AND CATALYST(4 OUNCES), STIR MIXTURE, ASIDE MIXTURE ENDS-WITH ASIDE MIXTURE
NAA	754	EUA	SFGRE02	SJPRTO1	199	RESIN, THIN WITH ACETONE FOR GLAZE MIXTURE STARTS-WITH REACH TO CUP INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP CUP, DIP IN ACETONE AND REMOVE, POUR ACETONE INTO RESIN, ASIDE CUP ENDS-WITH ASIDE CUP
NAA	754	MAA	SPSDXX	SLUOLXX VARIABLE		DRILL, LUBRICATE TO DRILL PLASTIC STARTS-WITH REACH TO DRAWER INCLUDES-ALL MOTIONS NECESSARY TO OPEN AND CLOSE DRAWER, REMOVE LUBE TUBE FROM DRAWER, REMOVE CAP, ASIDE CAP AND PLACE TUBE TO DRILL BIT, START DRILL MOTOR, APPLY LUBE TO BIT, MOVE DRILL TO HOLE, START AND STOP DRILL MOTOR(TWO TIMES), REPLACE CAP ON TUBE, RETURN TUBE TO DRAWER ENDS-WITH TUBE RETURNED TO DRAWER, DRAWER CLOSED CONDITIONS-USE RELIANCE TALLOWAID TYPE LUBRICANT CASE 01 FIRST OR SINGLE LUBE APPLICATION 02 EACH ADDITIONAL LUBE APPLICATION
NAA	754	MAA	SFGGNXX	SPAGAXX VARIABLE		GLAZE, APPLY TO SURFACE WITH BRUSH STARTS-WITH REACH TO BRUSH INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP BRUSH, DIP IN GLAZE, WIPE BRUSH ON SIDE OF CONTAINER, BRUSH GLAZE ONTO SURFACE, ASIDE BRUSH ENDS-WITH ASIDE BRUSH CASE 01 APPLY TO AREA UP TO EIGHT SQUARE INCHES 02 APPLY TO AREA-NINE TO 26 SQUARE INCHES 03 APPLY TO AREA 27 TO 50 SQUARE INCHES 04 APPLY TO AREA-51 TO 82 SQUARE INCHES
NAA	754	MAA	SFGRNXX	SPARAXX VARIABLE		RESIN, APPLY TO DAMAGED AREA STARTS-WITH REACH TO GET RESIN INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND PLACE RESIN AT WORK AREA, GET BRUSH, DIP INTO RESIN, WIPE OFF EXCESS, MOVE BRUSH TO REPAIR SURFACE AND APPLY(DIP AND APPLY TWO TIMES), ASIDE BRUSH AND RESIN ENDS-WITH ASIDE RESIN TO BENCH CASE 01 APPLY TO SURFACE-UP TO EIGHT SQUARE INCHES 02 APPLY TO SURFACE-NINE TO 26 SQUARE INCHES 03 APPLY TO SURFACE-27 TO 50 SQUARE INCHES 04 APPLY TO SURFACE-51 TO 82 SQUARE INCHES



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	754	MAA	AFGCRXX	SSRCRXX	VARIABLE	<p>CLOTH(INNER LAYER), REPLACE  STARTS-WITH REACH TO CLOTH TO REMOVE  INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE  OLD CLOTH BY SANDING, APPLY RESIN TO NEW CLOTH,  APPLY AND SMOOTH CLOTH, EXAMINE REPAIR AREA,  SAND AREA(FINAL)  ENDS-WITH SANDING IMPLEMENT ASIDE  CONDITIONS-APPLIES TO HONEYCOMB CONSTRUCTED  FIBERGLASS PARTS  CASE 01 REPLACE FOUR SQUARE INCHES  02 REPLACE 16 SQUARE INCHES  03 REPLACE 36 SQUARE INCHES  04 REPLACE 64 SQUARE INCHES  05 REPLACE 100 SQUARE INCHES</p>
					5200	
					8350	
					14260	
					21870	
					29920	
NAA	754	MUA	AFGCRXX	SSRFRXX	VARIABLE	<p>FIBERGLASS, REPAIR  STARTS-WITH OBJECT IN HAND  INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE  OBJECT INTO POSITION TO MAKE VISUAL EXAMINA-  TION, EXAMINE, GET PENCIL AND MARK DAMAGED AREAS  WHEN REQUIRED, REMOVE OUTER CLOTH, SAND AREA TO  BE REPAIRED, INSTALL LAYER OF CLOTH, REMOVE  TRAPPED AIR, MAKE FINAL EXAMINATION, SAND REPAIR  AND APPLY GLAZE, ASIDE BRUSH  ENDS-WITH GLAZE BRUSH ASIDE  CONDITIONS-APPLIES TO HONEYCOMB CONSTRUCTED  PARTS/OBJECT  CASE 01 REPAIR FOUR SQUARE INCHES  02 REPAIR 16 SQUARE INCHES  03 REPAIR 36 SQUARE INCHES  04 REPAIR 64 SQUARE INCHES  05 REPAIR 100 SQUARE INCHES</p>
					5930	
					7110	
					16140	
					24950	
					34090	
NAA	754	MAA	AFGHZ08	SSRHP01	2260	<p>HONEYCOMB(FIBERGLASS), PREFORM  STARTS-WITH REACH TO MOLD LID  INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE  MOLD LID, POSITION HONEYCOMB IN MOLD, COMPRESS  HONEYCOMB, REPLACE AND SECURE LID, PLACE MOLD  IN OVEN, REMOVE FROM OVEN, REMOVE MOLD LID,  EXAMINE HONEYCOMB, REMOVE AND ASIDE HONEYCOMB,  REPLACE LID ON MOLD  ENDS-WITH LID ON MOLD  CONDITIONS-DOES NOT INCLUDE OVEN OR COOLING  TIME</p>
NAA	754	MAA	AFGHRXX	SSRHRXX	VARIABLE	<p>HONEYCOMB(FIBERGLASS), REPLACE  STARTS-WITH REACH TO DAMAGED CELLS  INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE  DAMAGED CELLS, SAND SURFACE AFTER REMOVAL OF  CELLS, INSTALL BASE CLOTH LAYER, INSTALL HONEY-  COMB CORE, REMOVE HONEYCOMB HOLD-DOWN TAPE,  SAND INSTALLATION  ENDS-WITH FINAL SANDING COMPLETE  CASE 01 PER SQUARE INCH UP TO 36 SQUARE INCHES  OF HONEYCOMB REPLACEMENT  02 PER SQUARE INCH IN EXCESS OF 36 SQUARE  INCHES REPLACEMENT</p>
					2550	
					1580	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NAA	754	MAA	AFGCRXX	SSRDRXX	VARIABLE	<p>OBJECT(LAMINATED),REPAIR</p> <p>STARTS-WITH VISUAL EXAMINATION OF OBJECT</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND EXAMINE THE OBJECT,REMARK DAMAGED AREA WHEN REQUIRED,REMOVE CLOTH BY SANDING,CUT NEW CLOTH TO SIZE,INSTALL CLOTH LAYER AND SMOOTH,SAND REPAIRED AREA,APPLY GLAZE TO AREA,INSPECT COMPLETED WORK</p> <p>ENDS-WITH FINAL INSPECTION</p> <p>CONDITIONS-APPLIES TO PLAIN LAMINATE CONSTRUCTED PARTS</p> <p>CASE 01 REPAIR 16 SQUARE INCHES</p> <p>02 REPAIR 36 SQUARE INCHES</p> <p>03 REPAIR 64 SQUARE INCHES</p> <p>04 REPAIR 100 SQUARE INCHES</p> <p>05 REPLACE ADDITIONAL LAYER-TO FOUR SQUARE INCHES</p> <p>06 REPLACE ADDITIONAL LAYER-TO 16 SQUARE INCHES</p> <p>07 REPLACE ADDITIONAL LAYER-TO 36 SQUARE INCHES</p> <p>08 REPLACE ADDITIONAL LAYER-TO 64 SQUARE INCHES</p> <p>09 REPLACE ADDITIONAL LAYER-TO 100 SQUARE INCHES</p>
					7860	
					13470	
					20590	
					27940	
					2790	
					4310	
					7390	
					11400	
					15200	
NAA	754	MUA	AFGCR41	SSRDR10	5200	<p>OBJECT(LAMINATED),REPAIR(FILL VOID)</p> <p>STARTS-WITH VISUAL EXAMINATION OF DAMAGED AREA</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO EXAMINE AREA,REMARK IF NECESSARY,REMOVE CLOTH BY SANDING,CUT NEW CLOTH TO SIZE,SAND VOID,GET BRUSH AND FILLER,FORCE FILLER INTO VOID,ASIDE BRUSH AND FILLER,INSTALL CLOTH LAYER,SMOOTH AND SAND,APPLY GLAZE AND INSPECT COMPLETED REPAIR</p> <p>ENDS-WITH FINAL INSPECTION</p> <p>CONDITIONS-REPAIR FOUR SQUARE INCH AREA</p>
NAA	754	MAA	SFGPNXX	SSRPAXX	VARIABLE	<p>PATCH(CLOTH,FIBERGLASS),APPLY</p> <p>STARTS-WITH GET PATCH</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND POSITION PATCH TO SURFACE,GET RESIN AND BRUSH, BRUSH RESIN OVER PATCH,SMOOTH WITH BRUSH,ASIDE BRUSH AND RESIN</p> <p>ENDS-WITH ASIDE RESIN</p> <p>CASE 01 PATCH TO EIGHT SQUARE INCHES</p> <p>02 PATCH NINE TO 26 SQUARE INCHES</p> <p>03 PATCH 27 TO 50 SQUARE INCHES</p> <p>04 PATCH 51 TO 82 SQUARE INCHES</p>
					757	
					900	
					1423	
					2285	
NAA	754	MAA	SFGVD18	SSRVF01	987	<p>VOID,FILL</p> <p>STARTS-WITH REACH TO GET BRUSH</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET BRUSH,DIP IN FILLER,SCOOP FILLER WITH BRUSH, PLACE FILLER ON BRUSH IN VOID,FORCE FILLER IN- TO VOID,SMOOTH FILLER SURFACE AND ASIDE BRUSH</p> <p>ENDS-WITH ASIDE BRUSH</p> <p>CONDITIONS-FILL ONE SQUARE INCH VOID</p>
NAA	754	MAA	AFGRSH1	MTLCHXX	VARIABLE	<p>HONEYCOMB(NEW),CUT TO FINISHED SIZE</p> <p>STARTS-WITH STRAIGHT EDGE IN HAND</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION STRAIGHT EDGE,POSITION KNIFE,CUT WITH A CONTROLLED ROCKING MOTION</p> <p>ENDS-WITH COMPLETION OF CUT</p> <p>CASE 01 CUT ONE LINEAR INCH TO 24 INCHES</p> <p>02 CUT ONE LINEAR INCH OVER 24 INCHES</p>
					245	
					146	



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION								
NAA	754	MAA	AFGRSH2	MTLHCXX	VARIABLE	<p>HONEYCOMB,CUT AT DAMAGED AREA-APPROX.SIZE STARTS-WITH KNIFE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO POSITION KNIFE TO DAMAGED AREA AND CUT BOTTOM ENDS-WITH COMPLETION OF CUT CASE 01 CUT ONE LINEAR INCH TO 24 INCHES 02 CUT ONE LINEAR INCH OVER 24 INCHES</p> <p>136 22</p>								
NAA	754	MUA	SPSHMXX	STPHCXX	VARIABLE	<p>HOLE,COUNTERSINK IN PLASTIC STARTS-WITH REACH TO GET DRILL MOTOR INCLUDES-ALL THE MOTIONS NECESSARY TO GET DRILL MOTOR,DRILL BIT,INSERT DRILL BIT IN CHUCK AND SECURE,POSITION DRILL TO PLASTIC AND DRILL,CLEAR CHIPS FROM COUNTERSINK,REMOVE DRILL BIT,ASIDE DRILL AND DRILL MOTOR ENDS-WITH ASIDE DRILL MOTOR CASE 01 FIRST OR SINGLE COUNTERSINK 02 EACH ADDITIONAL COUNTERSINK</p> <p>750 110</p>								
NAA	754	MUA	SPSPMXX	STPHDXX	TABLE	<p>HOLE,DRILL IN PLASTIC STARTS-WITH REACH TO GET DRILL MOTOR INCLUDES-ALL THE MOTIONS AND TIME NECESSARY TO GET DRILL MOTOR,CHANGE DRILL BIT,POSITION DRILL TO GUIDE OR BUSHING AND DRILL CENTER HOLE WITH NUMBER 22 DRILL,CHANGE DRILL BIT AND POSITION DRILL TO GUIDE OR BUSHING,DRILL HOLE, ASIDE DRILL MOTOR ENDS-WITH ASIDE DRILL MOTOR</p> <p>CONDITIONS-HOLES TO 7/16 INCHES DEEP-DOES NOT INCLUDE CLEANING CHIPS FROM DRILL-DOES INCLUDE APPLICATION OF LUBRICANT TO DRILL SIZE OF HOLE FIRST OR SINGLE HOLE ADDITIONAL DIAMETER A B</p> <table border="1"> <tr> <td>3/16 INCH</td> <td>A</td> <td>2680</td> <td>760</td> </tr> <tr> <td>1/4 INCH</td> <td>B</td> <td>2890</td> <td>800</td> </tr> </table>	3/16 INCH	A	2680	760	1/4 INCH	B	2890	800
3/16 INCH	A	2680	760											
1/4 INCH	B	2890	800											
NAA	754	MAA	AFGSP01	STPSR01	2450	<p>SPOT(FIBERGLASS),REPAIR(ONE SQUARE INCH) STARTS-WITH REACH TO GET SANDER INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND CONNECT SANDER,SAND SURFACE,GET DRILL AND DRILL HOLE FOR SYRINGE NEEDLE,INJECT RESIN MIXTURE,GET AND INSTALL TAPE,REMOVE TAPE,GET SANDER AND FINISH SAND SURFACE,APPLY GLAZE TO SPOT AND ASIDE BRUSH ENDS-WITH ASIDE BRUSH</p>								
AE	763	MAO	SPFSF31	SCLFRXX	VARIABLE	<p>FINISH(FURNITURE),REMOVE FROM WOOD STARTS-WITH REACH TO VARNISH REMOVER CONTAINER INCLUDES-ALL THE MOTIONS NECESSARY TO GET VARNISH REMOVER,BRUSH,APPLY REMOVER,GET SCRAPER,SCRAPE OFF VARNISH REMOVER,GET BUCKET, SCRAPE ACCUMULATION INTO BUCKET,APPLY SECOND LAYER OF REMOVER,GET STEEL WOOL AND RUB SUR- FACE,GET WAX REMOVER,APPLY,GET CLOTH AND RE- MOVE WAX REMOVER,ASIDE VARNISH REMOVER,BRUSH, SCRAPER,WAX REMOVER,STEEL WOOL AND CLOTH ENDS-WITH ASIDE CLOTH AFTER REMOVING WAX CASE 01 FIRST SQUARE FOOT-FLAT(INCLUDES EDGES) 02 EACH ADDITIONAL SQUARE FOOT-FLAT 03 EACH LINEAR FOOT-EDGE</p> <p>3832 1442 587</p>								



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	763	MAF	373	SNFGA01	544	GLUE, APPLY WITH BRUSH TO SURFACE STARTS-WITH REACH TO BRUSH IN GLUE POT INCLUDES-ALL THE MOTIONS NECESSARY TO GET BRUSH IN GLUE POT, POSITION TO PICK UP GLUE ON BRUSH, MOVE BRUSH TO SURFACE, APPLY TO SURFACE WITH BRUSH STROKES, RETURN BRUSH TO GLUE POT, RELEASE BRUSH ENDS-WITH RELEASE BRUSH IN POT CONDITIONS-DIP BRUSH SIX TIMES, MAKE 25 BRUSH STROKES TO APPLY GLUE-COVERS ONE SQUARE FOOT- APPLIES TO GLUING WOOD OFFICE TABLE OR OTHER MOVABLE FOUR LEGGED TABLES
NF	763	MAF	SPFFW34	SSRDFXX VARIABLE	666 393	DENT(FURNITURE), FILL IN WOOD SURFACE STARTS-WITH REACH TO GET CHISEL INCLUDES-ALL THE MOTIONS NECESSARY TO GET CHISEL AND TAPPING TOOL, POSITION CHISEL IN DENT, TAP WITH 10 SHORT TAPPING STROKES, ASIDE CHISEL AND TAPPING TOOL, GET PLASTIC WOOD CONTAINER, GET PUTTY KNIFE (OR EQUIVALENT), RE- MOVE LID, GET PLASTIC WOOD ON KNIFE, PACK INTO DENT/HOLE, SMOOTH SURFACE, ASIDE KNIFE ENDS-WITH ASIDE PUTTY KNIFE CASE 01 FILL FIRST OR SINGLE DENT/HOLE 02 FILL EACH ADDITIONAL DENT IN SERIES
AE	78X	MAP	SSPHS01	SJPNT01	376	NEEDLE (HAND SEWING), THREAD STARTS-WITH REACH TO GET THREAD FROM MACHINE INCLUDES-ALL THE MOTIONS NECESSARY TO GET AND BREAK THREAD, GET NEEDLE, REMOVE OLD THREAD FROM NEEDLE, WET THREAD AND ALIGN TO NEEDLE EYE AND THREAD NEEDLE THROUGH EYE, TIE KNOT IN THREAD ENDS-WITH KNOT IN THREAD
AE	78X	MAP	SSPEAV4	SJPTA01	45	THREAD, ALIGN AT SEWING MACHINE FOOT STARTS-WITH REACH TO FIRST THREAD INCLUDES-ALL THE MOTIONS NECESSARY TO GET FIRST AND SECOND THREAD, PULL TO TIGHTEN, MOVE INTO SLOT IN MACHINE FOOT, MOVE THREAD ENDS OUT TO LEFT, RELEASE ENDS-WITH RELEASE THREADS
AE	78X	MAP	SSPEAU3	MNFSS01	244	STITCH/TACK, SEW BY HAND STARTS-WITH THREADED NEEDLE IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO PUSH THE NEEDLE INTO MATERIAL, RELEASE, GRASP NEEDLE BE- YOND STITCH, PULL NEEDLE THROUGH AND TIGHTEN STITCH ENDS-WITH STITCH TIGHTEN CONDITIONS-TIME IS PER INCH OR PER TACK-FIVE STITCHES PER INCH
AE	79X	MAP	SSWMU02	SSUBC01	250	BOBBIN (SEWING MACHINE), CHANGE STARTS-WITH REACH UNDER TABLE TO BOBBIN IN MACHINE INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP BOBBIN CLIP ON BOBBIN, OPEN CLIP, REMOVE BOBBIN, TURN CASE OVER AND RELEASE SPOOL, PICK UP AND ASIDE TO TRAY AT RIGHT, REACH AND GET NEW SPOOL (PREWOUND), PLACE IN BOBBIN CASE (HELD IN LEFT HAND), GET LOOSE END OF THREAD, POSITION INTO SLOT, SECURE AGAINST GUIDE, RELEASE THREAD, RE- TURN BOBBIN TO POSITION UNDER TABLE, OPEN CLIP AND SEAT BOBBIN, RELEASE, HAND RETURNS READY TO START NEXT OPERATION ENDS-WITH HAND RETURNED



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	78X	MAP	SSWM003	SSUBS01	509	BOBBIN, SET UP TO WIND STARTS-WITH REACH TO SPOOL INCLUDES-ALL THE MOTIONS NECESSARY TO GET SPOOL AND PLACE ON SPINDLE, RELEASE, GET THREAD END AND FEED INTO HOLE, PULL THROUGH, POSITION THREAD INTO TENSION WHEEL, WIND THREAD AROUND SPOOL, RELEASE, PRESS SWITCH TO WIND, RELEASE SWITCH, GET OLD SPOOL AND WIND UP EXCESS THREAD, PLACE NEW SPOOL ON RACK ENDS-WITH ASIDE THREAD SPOOL CONDITIONS-TIME IS BASED ON USING THREAD ON RACK 1/2 OF THE TIME WITHOUT CHANGING-DUES NOT INCLUDE WINDING TIME
AE	78X	MAP	SSWM001	SSUTC01	1118	THREAD, CHANGE IN SEWING MACHINE STARTS-WITH REACH TO THREAD INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND BREAK THREAD, GET OLD SPOOL, WIND UP EXCESS THREAD, PLACE NEW SPOOL ON RACK, WET THREAD FOR HANDLING, THREAD POSTS AT TOP OF MACHINE, THREAD GUIDE TO TENSION WHEEL, LOOP THREAD AROUND TENSIONER (ARM), THREAD HOLE IN ARM (TWO HOOKS), THREAD LAST HOOK, WET THREAD AND THREAD NEEDLE, HOOK THREAD UNDER FOOT AND RELEASE ENDS-WITH RELEASE THREAD CONDITIONS-STAND UP AND SIT DOWN ONE TIME DURING OPERATION
NF	780	MAF	160	SCPMPO1	90	MATERIAL, PIN TO CHAIR OR OTHER MATERIAL STARTS-WITH REACH TO GET PIN AND MATERIAL (SINO) INCLUDES-ALL THE MOTIONS NECESSARY GET PIN AND PICK UP MATERIAL, POSITION PIN TO MATERIAL AFFIX PIN TO MATERIAL, RELEASE ENDS-WITH RELEASE PIN AND MATERIAL CONDITIONS-TIME IS PER PIN
NF	780	MAF	261	MOAWS01	209	WEBBING, STRETCH INTO POSITION STARTS-WITH REACH TO WEBBING INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP WEBBING WITH LEFT HAND AND MOVE IT TO TOP OF STRETCHER, MOVE AND POSITION STRETCHER TO WEBBING WITH RIGHT HAND, MOVE OPPOSITE END TO FRAME, PULL WEBBING DOWN OVER STRETCHER WITH LEFT HAND, MOVE AND PULL STRETCHER DOWN TO TIGHTEN WEBBING, RELEASE WEBBING AND STRETCHER, REACH TO WEBBING AND STRETCHER, GRASP AND DISENGAGE WEBBING FROM STRETCHER, HOLD WEBBING AND STRETCHER ENDS-WITH WEBBING AND STRETCHER IN HANDS
NF	780	MAF	255	MNFCT01	323	CORD (UPHOLSTERING), TIE ON SPRING STARTS-WITH CORD IN RIGHT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO LAY CORD OVER SPRING, REACH TO CORD AND SPRING WITH LEFT HAND, GRASP AND HOLD CORD AND SPRING, GRASP CORD WITH RIGHT HAND, ROLL UNDER SPRING, RELEASE, GRASP CORD AND PULL THROUGH LOOP, MOVE CORD BACK TO SPRING AND ROLL UNDER CORD, RELEASE, REACH TO AND GRASP CORD, PULL THROUGH LOOP, RELEASE, REACH AND GRASP CORD, PULL THROUGH, REACH BACK AND GRASP CORD, PULL AND TIGHTEN KNOT, RELEASE CORD ENDS-WITH RELEASE CORD



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	780	MAF	232	MNFM501	256	MATERIAL, SEW BY HAND STARTS-WITH REACH TO MATERIAL WITH LEFT HAND, NEEDLE IN RIGHT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO GET THE MATERIAL, POSITION NEEDLE TO MATERIAL, FORCE NEEDLE THROUGH MATERIAL, PULL THREAD THROUGH AND PULL STITCH TIGHT ENDS-WITH PULL STITCH TIGHT CONDITIONS-TIME IS PER STITCH
NF	780	MAF	3390	MNFTD01	100	TACK, DRIVE IN PLACE STARTS-WITH HAMMER IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE THE MAGNETIC END OF HAMMER TO MOUTH, POSITION TO TACK IN MOUTH, MOVE TACK FROM MOUTH AND MOVE INTO MATERIAL, HIT TACK WITH TWO HAMMER STROKES ENDS-WITH SECOND HAMMER STROKE CONDITIONS-PER TACK UP TO BUT NOT INCLUDING SIZE 14
NF	780	MAF	378	MNFTRO1	124	TACKS, REMOVE STARTS-WITH TOOLS IN HAND INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE CHISEL TO HEAD OF TACK AND POSITION, STRIKE CHISEL WITH MALLET ENDS-WITH STRIKE CHISEL WITH MALLET CONDITIONS-REQUIRES TWO POSITIONS AND FOUR HAMMER BLOWS TO REMOVE TACK-TIME IS PER TACK
NF	780	MAF	268	MOHTPO1	139	TACKS, PLACE IN MOUTH STARTS-WITH REACH TO GET BOX OF TACKS, HAMMER IN RIGHT HAND INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP BOX, MOVE HAMMER TO TOP OF BOX, PICK UP TACKS WITH MAGNETIC END OF HAMMER, POSITION TACKS TO MOUTH, GRASP TACKS WITH MOUTH, DISENGAGE HAMMER FROM TACKS IN MOUTH ENDS-WITH DISENGAGE TACKS FROM HAMMER CONDITIONS-TACK SIZE IS UP TO BUT NOT INCLUD- ING NUMBER 14 OR LARGER-TIME IS PER MOUTHFUL
NF	780	MAF	9	SOHBP01	135	BATTING(COTTON), POSITION STARTS-WITH BEND TO WORK INCLUDES-ALL THE MOTIONS NECESSARY TO BEND AND GRASP BATTING OR FILLING MATERIAL, KNEAD OR REGULATE WITH FINGERS FOR SMOOTH EVEN FINISH OR ALONG EDGES FOR PROPER CONTOUR OF FOUNDA- TION, ARISE FROM BEND ENDS-WITH ARISE FROM BEND CONDITIONS-TIME IS TO COVER 1/2 SQUARE FOOT OF MOSS, HAIR OR SISAL SMOOTHER OR PER LINEAR FOOT OF EDGE
NF	780	MAF	7	SOHBTO1	463	BATTING(COTTON), TEAR FROM ROLL STARTS-WITH SIMO REACH TO ROLL INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP ROLL, SLIDE AND ROLL OVER ON TABLE, PULL BATTING APART, PICK UP PIECE ENDS-WITH PIECE IN HAND CONDITIONS-WALK FIVE PACES TO BATTING ROLL ON TABLE AND RETURN



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	780	MAF	67	SOHCFXX	VARIABLE	COVER(UPHOLSTERY),FIT UNDER ADJOINING SURFACE STARTS-WITH A BEND TO MATERIAL(COVER) INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP MATERIAL IN LEFT HAND,MOVE HAND HELD REGULATOR IN RIGHT HAND TO MATERIAL,POSITION REGULATOR ON MATERIAL,APPLY PRESSURE AND PUSH MATERIAL THROUGH,ARISE,STOOP TO MATERIAL,GRASP WITH A SIMO REACH,MOVE MATERIAL TO PULL TIGHT,RELEASE COVER,ARISE ENDS-WITH ARISE FROM STOOP CONDITIONS-APPLIES TO ACTIONS SUCH AS FITTING SEAT PLATFORM COVER UNDER BACK-THROUGH SLUT BETWEEN FILLER RAIL AND TACKING RAIL-PER SIX INCH LENGTH OF COVER CASE 01 PER FIRST OR ONLY SIX INCHES 02 EACH ADDITIONAL SIX INCHES
					319 258	
NF	780	MAF	68	SOHCS01	63	COVER OR MATERIAL(UPHOLSTERY),STRETCH TO FIT OR TACK STARTS-WITH REACH TO EDGE OF MATERIAL INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP EDGE OF MATERIAL,MOVE EDGE TO PULL MATERIAL TIGHT,RELEASE ENDS-WITH RELEASE MATERIAL CONDITIONS-TIME IS PER INCH OR PER TACK-FIRST EDGE
NF	780	MAF	2625	SOHMF01	91	MATERIAL,FOLD STARTS-WITH REACH TO MATERIAL INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP AND MOVE EDGE OF PIECE OF MATERIAL TO MAKE ONE FOLD,ALIGN EDGES,RELEASE ENDS-WITH RELEASE MATERIAL AFTER FOLD CONDITIONS-MATERIAL 24 INCHES SQUARE
NF	780	MAF	375	MTLMC01	33	MATERIAL,CUT WITH SHEARS(UPHOLSTERY) STARTS-WITH SHEARS POSITIONED,READY TO CUT INCLUDES-ALL THE MOTIONS NECESSARY TO CLOSE AND OPEN SHEARS AND MOVE FORWARD TO MARK OR LINE ENDS-WITH SHEARS MOVED TO MARK OR LINE CONDITIONS-PER CUT OR EACH TWO INCHES STRAIGHT CUTTING
NAA	781	MAA	SFGCMXX	SFAPCXX	VARIABLE	PATCH(CLOTH),CUT AND TRIM STARTS-WITH REACH TO GET MATERIAL INCLUDES-ALL THE MOTIONS NECESSARY TO GET CLOTH PIECE,GET SCISSORS,CUT CLOTH,POSITION CUT CLOTH TO REPAIR AREA,FIT TO AREA,GET SCISSORS AND TRIM TO FIT,CHECK,FIT PATCH TO JOB,ASIDE SCISSORS AND SCRAP,CHECK FIT ENDS-WITH CHECK FIT(VISUAL) CONDITIONS-ALL PATCHES CUT FROM CORNERS OF MATERIAL CASE 01 PATCH-2X2 INCHES 02 PATCH-2X3 OR 1X6 INCHES 03 PATCH-1X16 INCHES IRREGULAR PATCH 04 PATCH-2X8 INCHES 05 PATCH-4X4 INCHES 06 PATCH-3X12 INCHES 07 PATCH-4X9 INCHES 08 PATCH-6X6 INCHES 09 PATCH-2X32 INCHES 10 PATCH-4X16 INCHES 11 PATCH-8X8 INCHES
					989 1011 1151 1075 1053 1502 1480 1469 2038 1884 1740	



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
NF	781	MAF	1754	MGMM01	268	MARK(CHECK),MAKE ON FLOOR STARTS=WITH STOOP,RULE IN BOTH HANDS INCLUDES=ALL THE MOTIONS NECESSARY TO STOOP AND MOVE RULE TO FLOOR,ALIGN AND POSITION RULE AND RELEASE,GET CHALK FROM POCKET,POSITION TO RULE AND MAKE MARK ON FLOOR,PICK UP RULE AND ARISE,RETURN CHALK TO POCKET ENDS=WITH ARISE FROM STOOP
AF	781	TUW	1628-41	MJPC01	150	CUTTER,REPOSITION FOR NEXT CUT(MACHINE) STARTS=WITH PULL BACK FROM END OF CUT INCLUDES=ALL THE MOTIONS NECESSARY TO PULL MACHINE,SHARPEN BLADE IF NECESSARY(AUTO), ADJUST MATERIAL AS NECESSARY,PUSH MACHINE TO START OF CUT,ALIGN TO CUT ENDS=WITH MACHINE ALIGNED TO CUT CONDITIONS=EASTMAN CLOTH CUTTER
AF	781	TUW	1628-35	MLODC01	55	DOT,CIRCLE STARTS=WITH PENCIL IN HAND INCLUDES=ALL THE MOTIONS NECESSARY TO MOVE PENCIL TO DOT AND DRAW A CIRCLE AROUND THE DOT ENDS=WITH FINISH CIRCLE AROUND DOT CONDITIONS=DOTS DO NOT AVERAGE MORE THAN 12 INCHES APART-TIME IS PER DOT
AF	781	TUW	1628-33	MLOPM01	13	PATTERN,MARK AROUND STARTS=WITH START TO MOVE PENCIL AROUND PATTERN INCLUDES=ALL THE MOTIONS NECESSARY TO DRAW A LINE AROUND A PATTERN WITH A PENCIL ENDS=WITH STOP MARKING CONDITIONS=DOES NOT INCLUDE GET AND ASIDE PATTERN OR PENCIL-TIME IS PER INCH MARKED
AF	781	TUW	1628-34	MLOPM02	47	POINTS(DOTS),MARK STARTS=WITH MOVE PENCIL TO HOLE IN PATTERN INCLUDES=ALL THE MOTIONS NECESSARY TO MOVE A PENCIL TO HOLE IN A PATTERN AND MARK ENDS=WITH MAKE MARK CONDITIONS=HOLES AVERAGE NOT MORE THAN 12 INCHES APART-TIME IS PER MARK
AAA	781	AAA	SFGCM01	MTLCC01	613	CLOTH,CUT WITH SCISSORS STARTS=WITH REACH TO CLOTH ROLL INCLUDES=ALL THE MOTIONS NECESSARY TO UNROLL CLOTH,GET SCISSORS AND CUT CLOTH FROM ROLL, ASIDE CLOTH AND SCISSORS ENDS=WITH ASIDE CLOTH AND SCISSORS CONDITIONS=MATERIAL IS 38 INCHES WIDE
AAA	781	AAA	SUPSFAC	MTLHP01	365	HOLE,PUNCH IN SOUND PROOFING BLANKET,HAND PUNCH STARTS=WITH REACH TO GET BLANKET INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND POSITION BLANKET ON BLOCK,CUT HOLE IN BLANKET WITH PUNCH,GET SCISSORS AND TRIM MATERIAL, ASIDE SCISSORS ENDS=WITH ASIDE SCISSORS CONDITIONS=HAND PUNCHED
AAA	781	AAA	SUPSFAC	MTLHP02	399	HOLE,PUNCH IN SOUND PROOFING BLANKET,KICK PRESS STARTS=WITH REACH TO GET BLANKET INCLUDES=ALL THE MOTIONS NECESSARY TO GET AND POSITION BLANKET IN KICK PRESS,MOVE LEG TO KICK PEDAL,ACTUATE PEDAL,ALIGN BLANKET FOR HOLE LOCATION,PUNCH HOLE,REMOVE LEG FROM KICK PEDAL ENDS=WITH REMOVE LEG FROM KICK PEDAL CONDITIONS=PUNCH HOLE WITH KICK PRESS



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMS TOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	781	TUM	1628-40	MTLMCXX VARIABLE		MATERIAL, CUT WITH MACHINE (PER INCH) STARTS-WITH START PUSHING MACHINE TO CUT INCLUDES-ALL THE MOTIONS NECESSARY TO CUT A PIECE OF MATERIAL WITH A EASTMAN CUTTING MACHINE ENDS-WITH STOP CUT CONDITIONS-EASTMAN CUTTING MACHINE OR SIMILAR MACHINE-TIMES ARE TO CUT PIECE, DIVIDE BY THE NUMBER OF PIECES IN STACK FOR PER PIECE TIME 53 CASE 01 SIMPLE CUT-STRAIGHT LINE ONLY 75 02 AVERAGE CUT-INCLUDES STRAIGHT AND CURVED CUTS 113 03 RESTRICTED CUTS-INCLUDES ALL DIFFICULT CUTS
NAA	781	MAA	OTLPHXX	STLHPXX VARIABLE		HOLE, PUNCH WITH WHEEL TYPE HARNESS PUNCH STARTS-WITH REACH TO PUNCH INCLUDES-ALL MOTIONS NECESSARY TO GET A WHEEL TYPE HARNESS PUNCH, ROTATE WHEEL TO DESIRED PUNCH SIZE, POSITION TOOL TO MATERIAL (TO LOOSE OR CLOSE ALIGNMENT), PUNCH HOLE, REMOVE TOOL FROM MATERIAL, REMOVE CUTOUT AND EXAMINE HOLE ENDS-WITH ASIDE TOOL AND MATERIAL CONDITIONS-WHEEL TYPE MANUAL HARNESS PUNCH, 1/16 TO 3/16 INCH HOLE IN NON-METALLIC SOFT MATERIALS TO .250 INCH THICKNESS 403 CASE 01 FIRST HOLE 153 02 ADDITIONAL HOLE
AF	781	TUM	1638-43	STPCA01	250	CLIP, ASSEMBLE TO STRAP STARTS-WITH REACH TO GET PIECE INCLUDES-ALL THE MOTIONS NECESSARY TO GET CLIP AND STRAP, ASSEMBLE STRAP TO CLIP IN DIE AND POSITION, OPERATE FOOT BUTTON TO START AND STOP MACHINE, REMOVE AND ASIDE FINISHED PIECE ENDS-WITH ASIDE PIECE CONDITIONS-BLIND PRESS, MODEL 14
AE	782	MAP	SSPEAU2	MPKJBXX VARIABLE		JACKET (DRESS), BUTTON STARTS-WITH REACH TO JACKET LAPEL NEAR BUTTONHOLE INCLUDES-ALL MOTIONS NECESSARY TO MOVE BUTTONHOLE TO BUTTON AND INSERT BUTTON THROUGH HOLE ENDS-WITH RELEASE OF JACKET CONDITION-TIME TO GET AND ASIDE JACKET NOT INCLUDED 64 CASE 01 FIRST BUTTON 47 02 EACH ADDITIONAL BUTTON
AE	782	MAP	SSPEAC3	MPKJF01	88	JACKET (FATIGUE), FASTEN WITH ZIPPER STARTS-WITH REACH TO COAT LAPEL INCLUDES-ALL MOTIONS NECESSARY TO FOLD LAPEL BACK, GET ZIPPER AND ZIPPER TRACK, INSERT ZIPPER INTO TRACK, AND PULL ZIPPER TO CLOSE ENDS-WITH RELEASE OF ZIPPER CONDITIONS-12 INCH ZIPPER
AE	782	MAP	SSPEAD3	MPKJF02	39	JACKET (FATIGUE), FASTEN WITH SNAP (TWO PART) STARTS-WITH SIMO REACH TO SNAP PARTS INCLUDES-ALL MOTIONS NECESSARY TO MOVE LAPEL TO BUTTON AND INSERT BUTTON THROUGH HOLE ENDS-WITH RELEASE OF SNAP
AE	782	MAP	SSPEAX2	MPK0801	53	OVERCOAT, BUTTON, PER BUTTON STARTS-WITH REACH TO COAT LAPEL AT BUTTONHOLE INCLUDES-ALL MOTIONS NECESSARY TO MOVE LAPEL TO BUTTON AND INSERT BUTTON THROUGH HOLE ENDS-WITH RELEASE OF LAPEL



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AE	782	MAP	SSPEAXX	MPKDF01	517	OVERCOAT,FOLD STARTS-WITH SIMU REACH TO COAT SHOULDERS INCLUDES-ALL MOTIONS NECESSARY TO LIFT COAT, SHAKE TO STRAIGHTEN,PLACE ON TABLE TO FOLD, SMOOTH COAT ON TABLE WITH HAND,GRASP RIGHT SHOULDER AND TAIL,FOLD OVER,GRASP LEFT SHOULDER AND TAIL,FOLD OVER,GET RIGHT SLEEVE, FOLD ALONG BODY,GET LEFT SLEEVE,FOLD ALONG BODY,FLATTEN FOLD WITH HAND,REACH TO CENTER OF COAT WITH LEFT HAND,FOLD COAT IN HALF WITH RIGHT HAND,PLACE LEFT HAND IN CENTER OF COAT AND MAKE SECOND FOLD,TURN COAT OVER,AND FOLD BELT OVER COAT ENDS-WITH RELEASE OF BELT
AE	782	MAP	SSPEAW2	MPKDF01	179	OVERCOAT,OBTAIN AND SPREAD TO BUTTON STARTS-WITH REACH TO COAT COLLAR INCLUDES-ALL MOTIONS NECESSARY TO LIFT COAT, GET COAT BY SHOULDERS,SHAKE TO STRAIGHTEN,AND PLACE IN POSITION FOR BUTTONING ENDS-WITH RELEASE OF COAT
AE	782	MAP	SSPEAQ2	MPKSF01	61	SHIRT,BUTTON,PER BUTTON STARTS-WITH SHIRT IN HAND INCLUDES-ALL MOTIONS NECESSARY TO BUTTON ONE BUTTON ON SHIRT ENDS-WITH RELEASE OF BUTTON CONDITION-NO TIME INCLUDED FOR GET AND ASIDE SHIRT
AE	782	MAP	SSPEAR2	MPKSF01	245	SHIRT(OR DRESS JACKET),FOLD,BODY ONLY STARTS-WITH GET SHIRT INCLUDES-ALL MOTIONS NECESSARY TO SHAKE SHIRT TO STRAIGHTEN,PLACE ON TABLE WITH FRONT DOWN, FOLD RIGHT SIDE OF SHIRT IN AND PRESS FLAT,AND REPEAT FOR LEFT SIDE ENDS-WITH SIDES OF SHIRT FOLDED IN
AE	782	MAP	SSPEAS2	MPKSF02	182	SHIRT(OR DRESS JACKET),FOLD,SLEEVES ONLY STARTS-WITH SHIRT LYING ON TABLE WITH SIDES FOLDED IN INCLUDES-ALL MOTIONS NECESSARY TO GET RIGHT HAND SLEEVE,FOLD AT SHOULDER,PLACE FLAT ALONG FOLDED BODY OF SHIRT,AND PRESS WITH HAND TO FLATTEN.MOTION SEQUENCE IS REPEATED FOR LEFT HAND SLEEVE. ENDS-WITH SLEEVES FOLDED
AE	782	MAP	SSPEAT2	MPKSF03	53	SHIRT(OR DRESS JACKET),FOLD IN HALF STARTS-WITH SHIRT LYING ON TABLE WITH BODY AND SLEEVES FOLDED INCLUDES-ALL MOTIONS NECESSARY TO FOLD SHIRT IN HALF AND PRESS WITH HANDS TO FLATTEN ENDS-WITH RELEASE OF SHIRT
AE	782	MAP	SSPEAV2	MPKSJ01	133	SHIRT(OR DRESS JACKET),OBTAIN AND SPREAD TO BUTTON STARTS-WITH REACH TO SHIRT OR JACKET INCLUDES-ALL MOTIONS NECESSARY TO LIFT GARMENT BY SHOULDERS,SHAKE TO STRAIGHTEN,AND PLACE IN POSITION FOR BUTTONING ENDS-WITH RELEASE OF GARMENT
AE	782	MAP	SSPEAP2	MPKSU01	35	SHIRT,UNBUTTON,PER BUTTON STARTS-WITH REACH TO BUTTON INCLUDES-ALL MOTIONS NECESSARY TO UNBUTTON ONE BUTTON ON SHIRT ENDS-WITH RELEASE OF BUTTON CONDITION-NO TIME INCLUDED FOR GET OR ASIDE SHIRT



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTD ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	782	MAP	SSPEAN4	MPKTF01	171	TROUSERS,FOLD STARTS-WITH TROUSERS LYING FLAT ON TABLE INCLUDES-ALL MOTIONS NECESSARY TO REACH AND GRASP TROUSER LEG AT CUFF,FOLD TROUSERS IN HALF,GRASP LEGS AT FOLD,MAKE SECOND FOLD AND SMOOTH WITH HANDS ENDS-WITH RELEASE OF TROUSERS
AE	782	MAP	SSPEAM4	MPKTP01	162	TROUSERS,PLACE FLAT ON TABLE FOR FOLDING STARTS-WITH TROUSERS IN HAND INCLUDES-ALL MOTIONS NECESSARY TO PLACE TROUSERS ON TABLE AND SMOOTH FOR FOLDING ENDS-WITH RELEASE OF TROUSERS
AE	782	MAP	SSPBF02	SPKJB01	799	JACKET(DRESS),BUTTON AND FOLD STARTS-WITH GET JACKET INCLUDES-ALL MOTIONS NECESSARY TO FASTEN TWO BUTTONS ON FRONT OF JACKET AND TO FOLD JACKET ENDS-WITH ASIDE JACKET
AE	782	MAP	SSPBF04	SPKJF01	768	JACKET(FATIGUE),FASTEN AND FOLD STARTS-WITH GET JACKET INCLUDES-ALL MOTIONS NECESSARY TO CLOSE JACKET ZIPPER,FASTEN TWO SNAPS,AND FOLD JACKET ENDS-WITH ASIDE FOLDED JACKET
AE	782	MAP	SSPBF03	SPKOB01	884	OVERCOAT,BUTTON AND FOLD STARTS-WITH GET OVERCOAT INCLUDES-ALL MOTIONS NECESSARY TO FASTEN THREE BUTTONS AND TO FOLD OVERCOAT ENDS-WITH ASIDE FOLDED OVERCOAT
AE	782	MAP	SSPBF01	SPKSB01	824	SHIRT,BUTTON AND FOLD STARTS-WITH GET SHIRT INCLUDES-ALL MOTIONS NECESSARY TO FASTEN THREE BUTTONS ON FRONT OF SHIRT,FOLD SHIRT,AND ASIDE ENDS-WITH RELEASE OF FOLDED SHIRT
AE	782	MAP	SSPBF05	SPKTF01	363	TROUSERS,FOLD STARTS-WITH TROUSERS IN HAND INCLUDES-ALL MOTIONS NECESSARY TO PLACE TROUSERS ON TABLE AND FOLD ENDS-WITH ASIDE FOLDED TROUSERS
AF	787	TOW	161861	MOHMPXX	VARIABLE	MATERIAL,POSITION TO SEW STARTS-WITH REACH TO GET MATERIAL INCLUDES-ALL THE MOTIONS NECESSARY TO GRASP FIRST PIECE OF MATERIAL,MOVE TO AND POSITION ON BENCH,REACH,GRASP,MOVE AND ALIGN SECOND PIECE WITH FIRST,POSITION TO MACHINE ENDS-WITH BOTH PIECES ALIGNED AND POSITIONED, START MACHINE CONDITIONS-SINGER SEWING MACHINE,SINGLE NEEDLE MODEL 111W-151-ALLOW ONE TIME FOR HEMMING,TWO TIMES FOR COUPLING OR REINFORCING CASE 01 MATERIAL, 10-60 SQUARE FEET(CLOTH) 02 MATERIAL,OVER 60 SQUARE FEET(CLOTH)
					550	
					900	
AF	787	MRW	161861	MOHMP03	346	MATERIAL,POSITION TO SEW STARTS-WITH MATERIAL IN HAND(TWO PIECES) INCLUDES-ALL THE MOTIONS NECESSARY TO MOVE THE MATERIAL TO SEWING MACHINE,POSITION AND MOVE UNDER NEEDLE,POSITION,ALIGN MATERIAL PIECES, CHECK ALIGNMENT,LIFT TOP PIECE TO CHECK,PRESS FOOT TO START MACHINE ENDS-WITH PRESS FOOT CONDITIONS-MATERIAL(CLOTH)-0 TO NINE SQUARE FEET-SINGER SEWING MACHINE,SINGLE NEEDLE MODEL NUMBER 111W-151-ALLOW ONE TIME FOR HEMMING AND TWO TIMES FOR COUPLING OR REINFORCING



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	787	MBW	161871	MOHMRXX	VARIABLE	MATERIAL, REPOSITION TO SEW STARTS-WITH MATERIAL IN MACHINE WITH HAND(S) ON MATERIAL INCLUDES-ALL THE MOTIONS REQUIRED TO MOVE MATERIAL INTO POSITION, TURN HAND WHEEL WHILE HOLDING MATERIAL, SWING MATERIAL AND POSITION, LINE UP MATERIAL ENDS-WITH MATERIAL RE-POSITIONED READY TO START MACHINE CONDITIONS-USED WHEN NEEDLE STOPPED TO TURN A CORNER OR IF MATERIAL IS PULLED AWAY FROM NEEDLE AND MUST BE REPLACED UNDER NEEDLE SINGER SEWING MACHINE, SINGLE NEEDLE, MODEL 111W-151 201 CASE 01 MATERIAL(CLOTH)-0 TO NINE SQUARE FEET 274 02 MATERIAL(CLOTH)-10 TO 60 SQUARE FEET 698 03 MATERIAL(CLOTH)-OVER 60 SQUARE FEET (THIS CASE IS FROM A TIME STUDY)
AF	787	MBW	161	MOHMR04	65	MATERIAL (UPHOLSTERY), REMOVE FROM SEWING MACHINE STARTS-WITH RAISE PRESSURE FOOT WITH KNEE INCLUDES-ALL THE MOTIONS NECESSARY TO RAISE PRESSURE FOOT, GRASP HAND WHEEL, MOVE WHEEL TO DISENGAGE NEEDLE AND REMOVE MATERIAL FROM BENEATH PRESSURE FOOT, RELEASE HAND WHEEL ENDS-WITH RELEASE HAND WHEEL, MATERIAL IN LEFT HAND
AF	787	TUW	1618-15	MPTMSXX	VARIABLE	MATERIAL(CLOTH), SEW STARTS-WITH MATERIAL HELD AT STARTING POINT INCLUDES-ALL THE MOTIONS NECESSARY TO START MACHINE WITH FOOT PEDAL, GUIDE MATERIAL ALONG SEAM ENDS-WITH COMPLETION OF SEAM CONDITIONS-SINGER SEWING MACHINE, SINGLE NEEDLE MODEL NUMBER 111W-151 13 CASE 01 SEW AROUND SEAM, SEWING IS NOT RESTRICTED-PER INCH-SECOND SEWING 18 02 SEW HEM, LIGHT MATERIAL-0 TO NINE 27 SQUARE FEET-PER INCH SEWED 38 03 SEW HEM, LIGHT MATERIAL-10 TO 60 SQUARE FEET-PER INCH SEWED 20 04 SEW HEM, LIGHT MATERIAL-OVER 60 SQUARE FEET-PER INCH SEWED 30 05 SEW HEAVY MATERIAL-0 TO NINE SQUARE FEET-PER INCH SEWED 42 06 SEW HEAVY MATERIAL-10 TO 60 SQUARE FEET-PER INCH SEWED 07 SEW HEAVY MATERIAL-OVER 60 SQUARE FEET PER INCH SEWED
AF	787	TUW	1618/19	MPTSSXX	VARIABLE	SEAM, SEW WITH DOUBLE NEEDLE MACHINE STARTS-WITH MATERIAL POSITIONED UNDER NEEDLES INCLUDES-ALL THE MOTIONS NECESSARY TO HOLD A PIECE OF MATERIAL IN EACH HAND, INSERT PIECES IN GUIDE LOOP, HOLD MATERIAL, LOWER MACHINE FOOT WITH KNEE LEVER, START MACHINE WITH FOOT PEDAL, GUIDE PIECES BY HAND, STOP MACHINE, GET SCISSORS AND CLIP OFF STARTER PIECE, ASIDE SCISSORS, START MACHINE, GUIDE MATERIAL TO END OF SEAM, GET START PIECE AND INSERT BEHIND MATERIAL, START MACHINE AND SEW ACROSS STARTER PIECE, STOP MACHINE, GET SCISSORS, CLIP OFF FINISH PIECE ENDS-WITH FINISH PIECE CLIPPED CONDITIONS-SINGER, DOUBLE NEEDLE SEWING MACHINE MODEL 145-W103 25 CASE 01 SEW MATERIAL-0 TO 60 SQUARE FEET-PER INCH 30 02 SEW MATERIAL-OVER 60 SQUARE FEET-PER INCH



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION																
AF	787	TUM	161817	MPTSWXX	VARIABLE	MATERIAL,SEW COUPLING SEAM STARTS-WITH MATERIAL IN POSITION UNDER NEEDLE INCLUDES-ALL THE MOTIONS NECESSARY TO GUIDE AND ALIGN MATERIAL BEING SEWED ENDS-WITH COMPLETION OF SEAM CONDITIONS-TIME IS PER INCH SEWED-SINGER SEW- ING MACHINE,MODEL 111W-151 20 CASE 01 LIGHT MATERIAL-0 TO NINE SQUARE FEET 35 02 LIGHT MATERIAL-10 TO 60 SQUARE FEET 53 03 LIGHT MATERIAL-OVER 60 SQUARE FEET 43 04 HEAVY MATERIAL-0 TO NINE SQUARE FEET 50 05 HEAVY MATERIAL-10 TO 60 SQUARE FEET 62 06 HEAVY MATERIAL-OVER 60 SQUARE FEET																
AF	787	TUM	1618-20	TPTRSXX	TABLE	REINFORCING,SEW TO SEAM STARTS-WITH DEPRESS FOOT PEDAL TO START MACHINE INCLUDES-ALL THE MOTIONS NECESSARY TO HOLD REINFORCING MATERIAL IN ONE HAND AND GUIDE MATERIAL THROUGH MACHINE WITH OTHER ENDS-WITH COMPLETION OF SEAM CONDITIONS-SINGER SEWING MACHINE,MODEL 111W- 151-TIME IS TO SEW ONE INCH <table><tr><th>SIZE OF MATERIAL (SQUARE FEET)</th><th>TYPE OF REINFORCING MATERIAL</th><th>CANVASS A</th><th>LEATHER B</th></tr><tr><td>ZERO TO NINE</td><td>A</td><td>30</td><td>32</td></tr><tr><td>10 TO 60</td><td>B</td><td>48</td><td>42</td></tr><tr><td>OVER 60</td><td>C</td><td>65</td><td>48</td></tr></table>	SIZE OF MATERIAL (SQUARE FEET)	TYPE OF REINFORCING MATERIAL	CANVASS A	LEATHER B	ZERO TO NINE	A	30	32	10 TO 60	B	48	42	OVER 60	C	65	48
SIZE OF MATERIAL (SQUARE FEET)	TYPE OF REINFORCING MATERIAL	CANVASS A	LEATHER B																			
ZERO TO NINE	A	30	32																			
10 TO 60	B	48	42																			
OVER 60	C	65	48																			
AF	787	TUM	1618-27	SPTAS01	2245	ASSEMBLY(HARDWARE AND WEB STRAP),SEW TO MATERIAL STARTS-WITH REACH TO GET STRAP AND HARDWARE INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP STRAP(WEB)AND HARDWARE,ASSEMBLE,POSITION ASSEMBLY UNDER NEEDLE AND ALIGN TO MATERIAL, FORM BOX STITCH MANUALLY,REMOVE FROM MACHINE, GET SCISSORS,CUT THREAD,TRIM LOOSE THREADS, ASIDE SCISSORS AND ASSEMBLY ENDS-WITH ASIDE SCISSORS AND ASSEMBLY CONDITIONS-SINGER SEWING MACHINE,MODEL 111W- 151																
AF	787	TUM	1618-25	SPTFA01	1859	FITTINGS,ASSEMBLE AND SEW TO WEB STRAPS STARTS-WITH REACH TO GET STRAP AND BUCKLE (SIMO) INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP STRAP AND BUCKLE,ASSEMBLE STRAP AND BUCKLE, POSITION ASSEMBLY IN MACHINE,FORM BOX STITCH MANUALLY,REMOVE ASSEMBLY FROM MACHINE,CUT THREADS,TRIM LOOSE THREADS,ASIDE ASSEMBLY ENDS-WITH ASIDE ASSEMBLY CONDITIONS-SINGER SEWING MACHINE,MODEL 111W- 151																



DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUP- ATION	QUALITY	SOURCE CODE	OWMSTDP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	787	TUM	1618-28	SPTR501	1095	<p>ROPE ENDS,SEW</p> <p>STARTS-WITH REACH TO GET ROPE</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP ROPE,POSITION IN MACHINE(APPROX.TWO INCHES FROM END),STITCH ALONG LENGTH OF ROPE TO END,TURN ROPE 90 DEGREES,STITCH 2-1/2 TIMES AROUND CIRCUMFERENCE OF ROPE AT END,TURN ROPE 90 DEGREES,STITCH TWO INCHES BACK ALONG LENGTH OF ROPE,REMOVE FROM MACHINE,CUT THREADS AND TRIM HANGING THREADS,ASIDE FINISH ROPE AND KNIFE</p> <p>ENDS-WITH ASIDE KNIFE AND ROPE</p> <p>CONDITIONS-SINGER SEWING MACHINE,PEDESTAL, MODEL 97-10-ROPE IS 36 INCHES OR LESS IN LENGTH</p>
AF	787	TUM	1618-24	SPTSFO1	824	<p>STRAP(UNATTACHED),FOLD AND SEW</p> <p>STARTS-WITH REACH TO GET STRAP</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET STRAP,FOLD END OVER,POSITION ON MACHINE,RAISE MACHINE FOOT WITH KNEE LEVER,SLIDE AND POSITION STRAP UNDER NEEDLE,LOWER MACHINE FOOT AND START MACHINE WITH FOOT PEDAL,GUIDE STRAP TO FORM BOX STITCH,STOP MACHINE,RAISE MACHINE FOOT,REMOVE STRAP,GET SCISSORS,CUT THREADS, TRIM HANGING THREADS,ASIDE SCISSORS</p> <p>ENDS-WITH ASIDE SCISSORS</p> <p>CONDITIONS-SINGER SEWING MACHINE,MODEL 111W-151</p>
AF	787	TUM	1618-23	SPTS501	859	<p>STRAP(WEB),SEW TO MATERIAL</p> <p>STARTS-WITH REACH TO GET STRAP</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO GET STRAP,POSITION STRAP ON MATERIAL,POSITION STRAP AND MATERIAL IN SEWING MACHINE,FORM BOX STITCH MANUALLY,OPERATE KNEE AND FOOT CONTROLS,GUIDE MATERIAL THROUGH MACHINE,GET SCISSORS,CUT THREADS,TRIM LOOSE THREADS AND ASIDE SCISSORS</p> <p>ENDS-WITH ASIDE SCISSORS</p> <p>CONDITONS-SINGER SEWING MACHINE MODEL 111W-151</p>
NAA	787	MAA	SUPSF05	SSUMP01	945	<p>MACHINE(SEWING),PREPARE TO OPERATE</p> <p>STARTS-WITH REACH TO COVER</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO REMOVE AND ASIDE THE SEWING MACHINE COVER,TURN LIGHT ON AND OFF,TURN MOTOR ON AND OFF,PLACE FEET ON TREADLE,RAISE PRESSURE FOOT WITH KNEE,DRAW OUT THREAD,REMOVE KNEE FROM PRESSURE FOOT,LIFT PAD AND GET TENSION SCREW,ADJUST TENSION,SIT AND STAND</p> <p>ENDS-WITH STAND UP</p> <p>CONDITIONS-DOES NOT INCLUDE WALK TO AND FROM SEWING MACHINE</p>
AF	789	TUM	1658-44	SDPSS01	250	<p>STRAP,SEAL ENDS</p> <p>STARTS-WITH REACH TO GET STRAP</p> <p>INCLUDES-ALL THE MOTIONS NECESSARY TO PICK UP STRAP,BEND DOUBLE SO ENDS ARE EVEN,DIP IN SEALER,REMOVE,ALLOW EXCESS TO DRIP OFF,HANG ON RACK TO DRY</p> <p>ENDS-WITH ASIDE STRAP TO RACK</p>



# DEFENSE WORK MEASUREMENT STANDARD TIME DATA ELEMENTS

DATA SOURCE	OCCUPATION	QUALITY	SOURCE CODE	DWMSTOP ELEMENT	TMU VALUE	OPERATION/ELEMENT DESCRIPTION
AF	789	TOW	1658-45	SOHRA01	910	<p>ROPE, ATTACH TO GROMMETTED HOLE IN MATERIAL</p> <p>STARTS=WITH REACH TO GRASP MATERIAL</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GRASP MATERIAL AND ROPE, INSERT ROPE IN GROMMET</p> <p>REGRAASP ROPE ON OTHER SIDE, PULL THROUGH, UNTWIST ROPE NEAR KNOT, RUN OTHER END THROUGH THE TWIST, PULL TIGHT, PICK UP HANDLE OF ROPES, MOVE TO NEXT GROMMET HOLE AND PUT ROPES DOWN</p> <p>ENDS=WITH RELEASE ROPE HANDLES</p> <p>CONDITIONS=COVER IS SPACED OUT ON FLOOR, GROMMET HOLES ARE 18 INCHES APART (APPROX.)</p> <p>ROPES ARE KNOTTED AT ONE END, WRAPPED AND SEWED AT OTHER, ROPES CUT TO LENGTH</p>
AF	789	MBW	1617-47	SOHRW01	905	<p>ROPE ENDS, WRAP WITH TAPE AND CUT TO LENGTH</p> <p>STARTS=WITH REACH TO GET ROPE ENDS(TWO)</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO GRASP ROPES, ALIGN TO STOP BLOCK, POSITION, ALIGN AND MARK ROPE WITH PENCIL, ASIDE PENCIL, GET STRIP OF TAPE FROM DISPENSER, WRAP FIRST ROPE END, DROP ROPE END, GET TAPE, WRAP SECOND END, GRASP BOTH ROPES, ALIGN FOR LENGTH, GET KNIFE, POSITION AND CUT ROPES, ASIDE KNIFE AND ROPES</p> <p>ENDS=WITH ASIDE ROPES</p>
AF	790	MRW	1648-51	STLRS01	214	<p>RIVET, SEAT</p> <p>STARTS=WITH SIMO REACH TO GET PIECE AND RIVET</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO INSERT A RIVET IN A PRE-PUNCHED HOLE, ALIGN THE PIECE ON WORK BENCH, GET HAMMER, SEAT RIVET, ASIDE HAMMER</p> <p>ENDS=WITH ASIDE HAMMER</p> <p>CONDITIONS=STRIKE RIVET ONE TIME</p>
DL	794	MUL	FESC	MMTCSXX	VARIABLE	<p>CARTON(FIBERBOARD), STITCH(MACHINE)</p> <p>STARTS=WITH CARTON IN HAND</p> <p>INCLUDES=ALL THE MOTIONS NECESSARY TO MOVE CARTON INTO POSITION FOR FIRST STAPLE(STITCH), PUSH FOOT PEDAL, STAPLE(STITCH), RELEASE FOOT PEDAL, REMOVE CARTON FROM STITCHER</p> <p>ENDS=WITH MOVE CARTON CLEAR OF STITCHER</p> <p>CASE 01 FIRST STAPLE/STITCH</p> <p>02 EACH ADDITIONAL STAPLE/STITCH</p>